Human/Machine Interfaces

Magelis™ Panel PC
Magelis™ BOX PC

Catalog

October 2013

Schneider Electric

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General presentation and selection guide

Magelis™ Panel PC and Magelis™ BOX PC

■ **General presentation**

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Industrial PCs

Magelis™ *i*PCs certified for automation

Rugged and certified for automation applications, Choice of design

1

Magelis Panel PC and Magelis BOX PC

The Magelis *i*PC products are rugged and certified for automation applications and can be used in Maintenance-free, Harsh, and Standard industrial environments depending on the model.

The range consists of Magelis Panel PC (Optimum, Universal and Performance) with optional stainless steel bezel for dedicated applications and Magelis BOX PC (Universal and Performance).

Magelis Panel PC

Magelis BOX PC

Certified for use in the most demanding automation systems, including industrial control equipments, hazardous locations, and marine applications.

Rugged and certified for automation applications

Rugged for various environments

The Magelis *i*PC range is extremely rugged, with maintenance-free models (no fan, static storage), LED backlight for Panel PC, high availability options (RAID HDD and Battery backup) and integrated system monitoring. Their resistance to temperature, vibration and shock allows them to operate continuously in extremely difficult environments.

The Magelis *i*PCs are suitable for automation requirements regarding Worldiwde long-term availability, overlap timing to replace legacy ranges with same cut-out and extended timing for repair service.

Certified for automation systems

The Magelis *i*PC range is certified with the following:

- cULus (UL 508, CSA 22.2 no. 142), Industrial Control Equipment
- cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n° 213)
- ATEX II 3 Gas and Dust zone 2/22 in explosive atmospheres *(1)*
- Germanischer Lloyd (Bridge Class) for marine applications *(1)*
- C-Tick, GOST
- EN 1672-2 and FDA 21CFR 177.206 standards for Panel PC with stainless steel bezel

Choice of design

Optimized design with Optimum range

The Panel PC Optimum range is designed for simple applications requiring capabilities like maintenance-free, entry level CPU, limited connectivity, static cards for storage, and Windows embedded OS. These screens which are aesthetically and ruggedly designed are also certified for automation.

Magelis Panel PC (Optimum)

- Resistive touch screen 10", 15" or 15" stainless steel, 16 million colors, IP 65, LED backlight.
- Intel® Atom™ Z510 1.1GHz fanless, 1Gb RAM.
- 2 gigabit Ethernet, 1 RS 232, 2 USB + 1 in front.
- Compact Flash (SLC technology), 1 SD card slot.

(1) Depending on the model.

Magelis *i*PCs ➜ The new generation of industrial PCs

Industrial PCs
Magelis™ *i*PCs certified for automation
Choice of design, Ease of IT integration

Choice of design (continued)

Modular and flexible design with Universal and Performance ranges

The modular design of Magelis Universal and Performance *i*PCs provides a complete and coherent range of referenced products. In addition, it allows Magelis Panel PCs and Magelis BOX PCs to be made-to-order.

Magelis Panel PC (Universal or Performance)

- Resistive touch screen 12", 15", 15" stainless steel or 19", 16 million colors, IP 65, LED backlight.
- Intel® Atom™ N270 1.6 GHz, Core™ 2 Duo 2.26 GHz or iCore™ 3rd generation.
- 0 to 2 PCI/PCI Express® slots, removable drives.
- 2 gigabit Ethernet, 4 USB + 1 in front, 1 DVI, up to 4 serial lines.

Magelis BOX PC

- 2 gigabit Ethernet, 4 USB + front, up to 2 DVI and 3 serial lines.
- Intel® Atom™ N270 1.6 GHz or Core™ 2 Duo 2.26 GHz.
- 1 to 5 PCI/PCI Express® slots.
- Removable drives: Compact Flash (SLC), Flash Disk (SSD) or HDD and DVD-RW.

Ease of IT integration

Vijeo Designer and Vijeo Citect bundle offer

Magelis *i*PCs support Vijeo Designer's "Intelligent Data Service" option and process Vijeo Designer data.

Magelis *i*PCs are supplied with Vijeo Designer Run Time Demo software (21-day trial version) including the Pac Drive driver which enables Magelis *i*PCs to interact directly with motion controllers.

Dedicated Magelis *i*PC models are bundled with Vijeo Citect SCADA software:
- DVD with software and documentation
- USB key with registered user rights
- 1-year support contract

SSD drives are used for SCADA systems due to large number read/write operations on storage drives. Vijeo Citect Web client is also available on models with Compact Flash storage drives. For field maintenance operations, "Build Time" versions of Unity and SoMachine PLC programming software are supported (requires minimum 2 GB RAM).

Integration into IT structures

2 built-in Ethernet ports of Magelis *i*PCs separate the IT and automation data flow, reinforcing the overall safety of the system.

Magelis *i*PCs run on Microsoft operating systems allowing connection of PC peripherals, large data storage, ease of connection to computers and databases, and simultaneous operation of several programs.

Depending on the *i*PC models, a wide choice of compatible operating systems are available.

+ Magelis *i*PCs → Ready for automation

Industrial PCs
Magelis™ iPCs certified for automation
Magelis™ Panel PC and Magelis™ BOX PC

Type of Magelis iPC	Magelis Panel PC			Magelis Panel PC		Magelis BOX PC			
	Optimum range	Universal range		Performance range		Universal range		Performance range	
Industrial environments	Maintenance-free	Maintenance-free	Standard	Maintenance-free or Harsh	Standard	Maintenance-free	Standard	Harsh	Standard
Fanless	★★★★★	★★★★★	★★★★★ (15" and 19" only)	★★★★★ (12" only)	–	★★★★★	–	–	–
Non-rotative storage drive	★★★★★	★★★★★	–	★★★★★	–	★★★★★	–	★★★★★	–
Sizes of color touch screen and front panel bezel material	□ 10.4" Aluminium bezel □ 15" Aluminium or Stainless steel bezel	□ 12" Aluminum Bezel □ 15" Aluminium or Stainless steel bezel □ 19" Aluminium bezel		□ 12" Aluminum Bezel □ 15" Aluminium or Stainless steel bezel □ 19" Aluminium bezel		Compatible with all screens in the Magelis iDisplay range *(3)*			
CPU *(1)* Processor	Intel® ATOM™ Z510 (1.1 GHz)	Intel® iCore™ 3rd Generation 827E low power or Intel® ATOM™ N270 (1.6 GHz)		Intel® i3 3rd generation 3217UE Dual Core low power or Core 2 Duo P8400 (2.26 GHz)		Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset	
PCI slot	0	0 or 2		0 or 2		1 or 2		2 or 5	
Storage	Compact Flash card (SLC technology) and integrated SD card reader	Compact Flash card (SLC technology) or Flash disk SSD	Hard disk	Flash disk SSD	Hard disk	Compact Flash card (SLC technology) or Flash disk SSD	Hard disk	Flash disk SSD	Hard disk
RAM	1 or 2 GB	1 or 2 GB		2 or 4 GB		1 or 2 GB		2 or 4 GB	
Operating system	Windows® Embedded Standard 2009	Windows® Embedded Standard 2009 or Windows® XP or Windows® 7 Ultimate 64-bit Professional SP3	Windows® XP Professional SP3	Windows® 7 Ultimate 64-bit		Windows® Embedded Standard 2009 or Windows® XP Professional SP3	Windows® XP Professional SP3	Windows® 7 Ultimate 64-bit	
Supply voltage Aluminium bezel versions	24 V ⎓	24 V ⎓ or 100…240 V ∿		24 V ⎓ or 100…240 V ∿		24 V ⎓			
Stainless steel bezel versions	–	24 V ⎓		100…240 V ∿		–			
Standards and certifications	□ CE □ cULus □ cULus Haz Loc □ ATEX II 3 Gas and Dust Zone 2/22 (Optimum range 15" Stainless steel bezel version only) and □ ATEX II 3 Dust Zone 22 (Universal range 15" Stainless steel bezel version only) □ EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only) …			□ CE □ cULus □ cULus Haz Loc □ ATEX II 3 Dust Zone 22 (Stainless steel bezel versions only) □ EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only) …		□ CE □ cULus □ cULus Haz Loc □ ATEX II 3 Dust Zone 22 …			
Marine certification	Bridge Class (only 24 V⎓ Magelis Panel PC with 15" or 19" touch screen and Aluminium bezel) Require additional power supply filter HMIYLFIMAR11	–		–		Bridge Class	–		
Software	Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) *(2)* Vijeo Citect, depending on the model			Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) *(2)* Vijeo Citect, depending on the model					
References Aluminium bezel versions	**HMIPWC●●●●●●●**	**HMIPUC●●●●●●** **HMIPUF●●●●●●**	**HMIPUH●●●●●●**	**HMIPPF●●●●●●**	**HMIPPH●●●●●●**	**HMIBUCN●●●●●** **HMIBUFN●●●●●**	**HMIBUHN●●●●●**	**HMIBPFD●●●●●**	**HMIBPHD●●●●●**
Stainless steel bezel versions	**HMIPVC7D0E01**	**HMIPTF7D2P01**	**HMIPTH7D2P01**	**–**	**HMIPRH7A2701**	**–**	**–**	**–**	**–**
Pages	2/2 and 2/3	2/6 and 2/7, 2/14 to 2/17		2/14 to 2/17		3/2 and 3/3			
Made-to-order configuration	See configured Magelis Panel PC on page 2/27			See configured Magelis Panel PC on page 2/27		See configured Magelis BOX PC on page 3/10			

(1) For other options available (interface for backup battery, 3rd serial port, etc.) in made-to-order configuration, see pages 2/27 (Magelis Panel PC) and 3/10 (Magelis BOX PC).
(2) 12" Aluminum Bezel models require additional SRAM interface HMIYPINSRAM61.
(3) Refer to "MagelisTM iDisplay catalog" on www.schneider-electric.com.

Magelis Panels PC

Magelis™ Panel PC Optimum range

Selection guide . . . . . *page 2/2*

■ **Presentation**

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- Magelis Panel PC Optimum range ..... *page 2/4*
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■ **Reference**

□ Magelis Optimum Panel PC - 10.4" or 15" LCD TFT LED touch screen ..... *page 2/5*

Magelis™ Panel PC Universal and Performance ranges

Selection guide of Magelis Panel PC Universal and Performance with 12" touch screen . . . . . *page 2/6*

■ **Presentation**

□ Overview of the range
- Magelis Panel PC Universal with 12" touch screen ..... *page 2/8*
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■ **Description**

□ Magelis Universal and Performance Panel PC: 12" ..... *page 2/10*

□ Magelis Universal and Performance Panel PC: 12", without Slots expansion module ..... *page 2/10*

□ Magelis Universal and Performance Panel PC: 12", without Slots expansion module ..... *page 2/11*

□ Magelis Universal and Performance Panel PC: 12", with Slots expansion module ..... *page 2/12*

■ **References**

□ Magelis Universal Panel PC - 12" LCD TFT LED touch screen ..... *page 2/13*

□ Magelis Performance Panel - 12" LCD TFT LED touch screen ..... *page 2/13*

Selection guide of Magelis Panel PC Universal range with 15" and 19" touch screens . . . . . *page 2/14*

■ **Presentation**

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■ **Description**

□ Magelis Universal and Performance Panel PC 15" and 19" ..... *page 2/20*

□ Magelis Universal and Performance Panel PC, 15" and 19", no PCI slot ..... *page 2/21*

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■ **Reference**

□ Magelis Universal Panel PC - 15" LCD TFT LED touch screen ..... *page 2/22*

□ Magelis Performance Panel - 15" LCD TFT LED touch screen ..... *page 2/23*

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■ **Separate components for Magelis Panel PC** ..... *page 2/26*

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□ Configured Magelis Panel PC ..... *page 2/29*

Industrial PCs
Magelis™ iPCs certified for automation
Magelis™ Panel PC
Optimum range with 10.4" or 15" touch screen

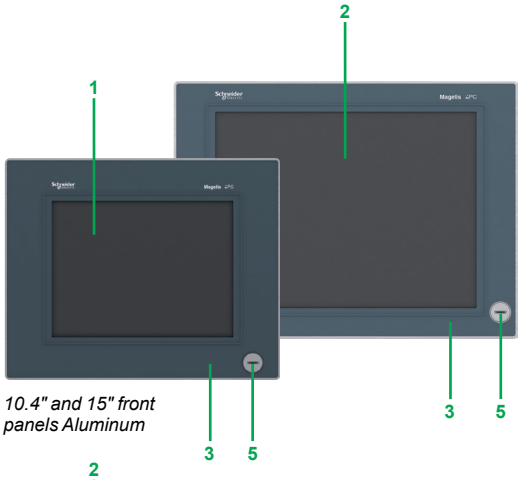
Type		Optimum range - 10.4" touch screen	
Industrial environments		**Maintenance-free (with Aluminium front panel bezel)**	
Fanless		★★★★★	
Non-rotative storage drive		★★★★★	
Screen	Type	10.4" LCD TFT LED touch screen	
	Definition	SVGA 800 x 600, 16 million colors	
	Degree of protection	IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door	
	Front panel bezel material	Aluminum	
CPU	Processor	Intel® ATOM™ Z510 (1.1 GHz)	
	Operating system storage	Compact Flash card ≥ 2 GB (SLC technology)	Compact Flash card ≥ 4 GB (SLC technology)
	User storage	Integrated SD card reader	
	RAM *(1)*	1 GB	2 GB
	Integrated ports	2 x Ethernet 10/100/1000 Mbps	
		1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) on the underside	
		1 x RS232C	
Operating system		Windows® Embedded Standard 2009	
Supply voltage	Voltage	24 V ⎓ (± 25 %)	
	Current	Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 µs	
Overall dimensions (W x H x D)/Cut-out (W x H)		323 x 260 x 72 mm/Cut-out: 303 x 243 mm	
Temperature	During operation	0…50 °C, conforming to IEC 61132-2, UL 508	
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(2)*	
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(2)*	
	Merchant navy IACS E10	–	
Shock resistance	during operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea	
Standards and certifications		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST	
Marine certification	Germanischer Lloyd (Bridge Class)	–	
ATEX certification		–	
Software		Acrobat Reader, Word/Excel/Power Point Viewer, Framework.Net 3.5, Web browser Vijeo Designer Run Time Demo 21-day trial version *(3)* Vijeo Citect Web Client	
References of Aluminium bezel versions	With Vijeo Designer Run Time Demo, 21-day version *(3)*	**HMIPWC5D0E01**	**HMIPWC5D0E01A**
References of Stainless steel bezel versions	With Vijeo Designer Run Time Demo, 21-day version *(3)*	**–**	
Pages		2/5	
Made-to-order configuration		See configured Magelis Panel PC on page 2/27	

(1) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(2) Conforming to IEC 60068-2-6 Fc.
(3) Unlimited license, to be ordered separately (VJDSNRTMPC).

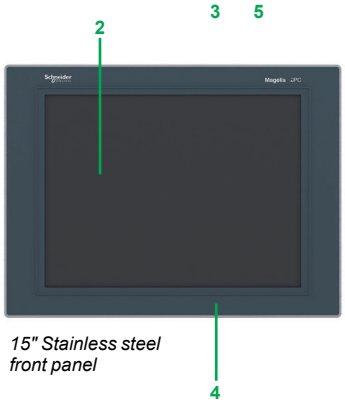
Optimum range - 15" touch screen
Maintenance-free (with Aluminium or Stainless steel front panel bezel)
★★★★★
★★★★★
15" LCD TFT LED touch screen
XGA 1024 x 768, 16 million colors
IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door
Aluminium or Stainless steel
Intel® ATOM™ Z510 (1.1 GHz)
Compact Flash card ≥ 2 GB (SLC technology)
Integrated SD card reader
1 GB
2 x Ethernet 10/100/1000 Mbps
1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) at the bottom
1 x RS232C
Windows® Embedded Standard 2009
24 V ⎓ (± 25 %)
Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 µs
402 x 301 x 72 mm/Cut-out: 383.5 x 282.5 mm
0…50 °C, conforming to IEC 61132-2, UL 508
1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(2)*
3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(2)*
1 mm from 3…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance
15 g/11 ms conforming to IEC 60068-2-27 test Ea
□ CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST □ EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only)
Requires additional power supply filter HMIYLFIMAR11 (Aluminium bezel versions only)
ATEX II 3 Gas and Dust zone 2/22 (Stainless steel bezel versions only)
Acrobat Reader, Word/Excel/Power Point Viewer, Framework.Net 3.5, Web browser Vijeo Designer Run Time Demo 21-day trial version *(3)* Vijeo Citect Web Client
HMIPWC7D0E01
HMIPVC7D0E01
2/5
See configured Magelis Panel PC on page 2/27

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC Optimum range

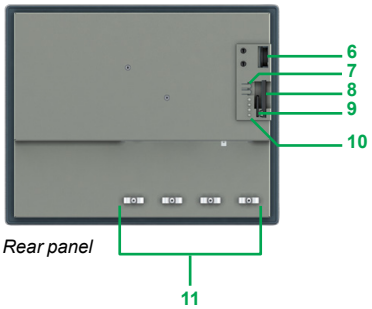
10.4" and 15" Magelis PC Panel



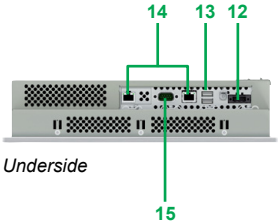
10.4" and 15" front panels Aluminum



15" Stainless steel front panel



Rear panel



Underside

Presentation

The Magelis Panel PC Optimum range offers products that are rugged and certified for automation applications. These products, offering an optimized design also feature compact dimensions, particularly in terms of depth.

They are specifically designed for use in maintenance-free environments and can be easily integrated into IT systems. Versions are available with a stainless steel front panel bezel.

Overview of Optimum range

Magelis Panel PC Optimum range

The Magelis Panel PC Optimum range is equipped with a fanless Intel® ATOM™ Z510 processor (1.1 GHz) and DDR2 RAM *(1)*.
This range is available with 10.4" or 15" LCD TFT LED touch screen of 16 million colors, fanless, with a solid-state storage disk:

■ **HMIPWC5D0E01**, **HMIPWC5D0E01A** and **HMIPWC7D0E01**:
□ IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door
□ Compact Flash card (operating system)/integrated SD card reader (user data)/ Windows® Embedded Standard 2009/24 V ⎓ power supply.

Made-to-order Magelis Panel PC Optimum range

On Magelis Optimum Panel PC bases, the CPU can be customized by selecting the capacity of RAM and Compact Flash card. For more information on HMIPCCW offer see page 2/29.

Description

10.4" (Aluminium bezel) and 15" (Aluminium or Stainless steel bezel) Magelis Optimum Panel PC

Front panels

1 10.4" LCD TFT LED touch screen (SVGA 800 x 600) with 16 million colors for **HMIPCW5D0E01** and **HMIPCW5D0E01A**:
□ Brightness: 450 cd/m² (adjustable)
□ Type of touch panel: Analog resistive film, resolution 4096 x 4096
□ Typical viewing angle: 120° (vertically)/160° (horizontally)

2 15" LCD TFT LED touch screen (XGA 1024 x 768) with 16 million colors for HMIPCW7D0E01:
□ Brightness: 350 cd/m² (adjustable)
□ Type of touch panel: Analog resistive film, resolution 4096 x 4096
□ Typical viewing angle: 100° (vertically)/160° (horizontally)

3 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door;
mounted on 1.6…10 mm*/0.063...0.394 in.* thick support using the supplied screw fasteners *(2)*

or

Stainless steel 304 “Scotch Brite®” brushed finish front panel enabling an IP 65 and Nema 4X indoor degree of protection when mounted on a panel or an enclosure door. Mounted on 1.6…10 mm*/0.063...0.394 in.* thick support using stainless steel screw fasteners supplied *(2)*. Simplifies cleaning because of the absence of USB port on front panel (conforms to food and beverage processing machines standard EN 1672-2). The front panel is fitted with specific seals (standard FDA 21 CFR 177.206)

4 USB 2.0 port (1 A max.) with screw-on protective cover (only available for Aluminium version); captive protective cover option also available *(3)*

Common rear panel

5 Battery
6 2 pushbuttons: 1 for power supply and 1 for resetting
7 Compact Flash card (SLC technology) ≥ 2 or 4 GB specifically for the operating system
8 SD card reader for user data - SD card optional *(3)*
9 4 status and power supply LEDs
10 Cable clamps

Common underside

11 24 V ⎓/1.9 A power supply connector
12 2 USB 2.0 ports (1 A max.)
13 2 Ethernet 10/100/1000 Mbps ports
14 RS232C port

(1) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(2) For installation, please refer to the “product data sheet” on our website www.schneider-electric.com.
(3) To be ordered separately (see page 2/26).

Magelis *i*PC selection guide: page 1/4
Magelis *i*PC presentation: page 1/2
Separate components: page 2/26
Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC Optimum range

USB accessories for HMI terminals

The Magelis™ USB accessories expand the selection range of user applications by offering value-added/ differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals *(6)*.

The Magelis USB accessories supported by Magelis Panel PC include:
- Harmony XB5S biometric USB switch
- Magelis HMIZ illuminated USB switch

For more information on HMI USB accessories, please refer to our website www.schneider-electric.com.

PF110317

HMIPWC5D0E01 (screen side)

PF110334

HMIPWC7D0E01 (screen side)

PF110331

HMIPWC●D0E01 (CPU side)

Magelis Optimum Panel PC - 10.4" or 15" LCD TFT LED touch screen *(1)*
(Intel® ATOM™ Z510 processor (1.1 GHz)/DDR2 RAM/24 V ⎓ supply voltage) *(2)*

Screen type	Operating system	Software	Storage	DDR2 RAM *(3)*	Reference	Weight kg/*lb*
For maintenance-free environment (with Aluminium front panel bezel)						
10.4" LCD TFT LED touch screen SVGA 800 x 600, 16 million colors IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ≥ 2 GB User: 1 SD memory card reader (card available separately)	1 GB	**HMIPWC5D0E01**	4.400/ *9.700*
	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ≥ 4 GB User: 1 SD memory card reader (card available separately)	2 GB	**HMIPWC5D0E01A**	4.400/ *9.700*
15" LCD TFT LED touch screen XGA 1024 x 768, 16 million colors IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ≥ 2 GB User: 1 SD memory card reader (card available separately)	1 GB	**HMIPWC7D0E01**	6.100/ *13.449*
For maintenance-free environment (with Stainless steel front panel bezel)						
15" LCD TFT LED touch screen XGA 1024 x 768, 16 million colors IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ≥ 2 GB User: 1 SD memory card reader (card available separately)	1 GB	**HMIPVC7D0E01**	6.300/ *13.889*

(1) For separate components, software and external power supply see page 2/26.
(2) For an ∿ supply voltage, an external Phaseo power supply can be used (see page 2/26).
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- *Acrobat Reader, Word/Excel/Power Point Viewer*
- *Framework.Net 3.5*
- *Web browser*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

*(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 2/26).*
(6) Requires Vijeo Designer software running on Magelis Panel PC.

Industrial PCs

Magelis™ iPCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen

Type		Universal range - 12" touch screen		Universal range - 12" touch screen	Performance range - 12" touch screen	
Industrial environments		**Maintenance-free (with Aluminium bezel)**		**Standard (with Aluminium bezel)**	**Maintenance-free (with Aluminium bezel)**	**Standard (with Aluminium bezel)**
Fanless		★★★★★	★★★★★	★★★★★	★★★★★	–
Non-rotative storage drive		★★★★★	★★★★★	–	★★★★★	–
Screen	Type	12" LCD TFT LED touch screen		12" LCD TFT LED touch screen		
	Definition	XGA 1024 x 768, 16 million colors		XGA 1024 x 768, 16 million colors		
	Degree of protection	IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door		IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door		
	Front panel bezel material	Aluminum		Aluminum		
CPU *(1)*	Processor	Intel® iCore™ 3rd generation 827E low power		Intel® iCore™ 3rd generation 827E low power	Intel® i3 iCore™ 3rd generation 3217UE dual core low power	
	Fan	–		1 (user exchangable)	-	1 (user exchangable)
	Default storage (user removable)	CFast card ≥ 4 GB (SLC technology)	Flash disk ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
	Storage slots (user accessible)	1 Cfast + 1 Slide-in Compact		1 CFast + 1 Slide-in Compact	1 CFast + 1 Slide-in Compact + 1 slide-in (of Slots expension module)	
	RAM (16 GB max. in 2 slots)	2 GB in 1 slot, user extendable *(1)*		2 GB in 1 slot, user extendable *(1)*	4 Gb in 1 slot, user extendable *(1)*	
	Slots expansion module	(to be added by user) *(1)*		(to be added by user) *(1)*	1 PCI + 1 Express® + 1 slide-in (Slots expension module removable by user) *(2)*	
	Integrated DVD-RW drive	(to be added by user) *(1)*		(to be added by user) *(1)*	1 (in slide-in of Slots expension module)	
	Integrated ports	2x Ethernet 10/100/1000 Mbps		2x Ethernet 10/100/1000 Mbps		
		1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top		1x USB 2.0 (5 A) on the front panel + 4x USB 3.0 (depending on OS and driver support at the bottom		
		2 x RS232C		2 x RS232C		
	Optional ports	2 interface modules slots user accessible *(1)*		2 interface modules slots user accessible *(1)*		
	Optional internal RAID	–		–	Require 2 HDD (1 in slide compact and 1 slide-in of the Slots expension module)	
Operating system		Windows® Embedded Standard 2009	Windows® 7 Ultimate 64-bit	Windows® 7 Ultimate 64-bit		
Overall dimensions (W x H x D)/Cut-out (W x H)		313 x 239 x 60 mm/307.25 x 233.25 mm		313 x 239 x 60 mm/307.25 x 233.25 mm	313 x 239 x 135 mm/307.25 x 233.25 mm	
Temperature	During operation	0…50 °C, conforming to IEC 61132-2, UL 508		0…50 °C, conforming to IEC 61132-2, UL 508		
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz (conforming to IEC 60068-2-6 Fc)		0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, *(3)* 0.5 g from 9…200 Hz *(2)*	0.125 g from 5...100 Hz
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz (conforming to IEC 60068-2-6 Fc)		0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(2)*	0.250 g from 5...100 Hz
	Merchant navy IACS E10	1 mm amplitude from 3…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance		–		
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea		15 g/11 ms conforming to IEC 60068-2-27 test Ea		
Standards and certifications		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST		
Software	Vijeo Designer Run Time Demo	21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC) and requires additional SRAM interface HMIYPINSRAM61 *(1)*		21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC) and requires additional SRAM interface HMIYPINSRAM61 *(1)*		
References of Aluminium bezel versions	24 V ⎓	**HMIPUC6D0E01**	**HMIPUF6D0701**	**HMIPUH7D0P01**	**(by user removable AC module)**	**(by user removable AC module)**
	100…240 V ∿	**HMIPUC6A0E01**	**HMIPUF6A0701**	**HMIPUH7A0P01**	**HMIPPF6A2701**	**HMIPPH6A2701**
Pages		2/13				
Made-to-order configuration		See configured Magelis Panel PC on page 2/27		See configured Magelis Panel PC on page 2/13		

(1) Other options (interface for backup battery, 3rd RS232/422/485 port, SRAM, PCI/Express® slots, extended RAM, etc.) to be installed by user or in made-to-order configuration (see page 2/27).
(2) Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gb/s
(3) Conforming to IEC 60068-2-6 Fc.

Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen

12" Magelis Universal Panel PC

12" Magelis Performance Panel PC

Presentation

The Magelis Panel PC Universal and Performance ranges with 12" touch screen offer products that are rugged and certified for automation applications. They are suitable for various uses in the following environments:
- Maintenance-free
- Harsh
- Standard

The ultra-modular design of Panel PCs with 12" touch screen allows user to adapt the units configuration. Main options like interface for backup battery, 3rd RS232/422/485 port, SRAM, PCI/PCI Express® slots, extended RAM, fan if any, and AC power module are all user accessible. The 12" touch screen is an XGA LCD TFT LED 16 million color touch screen with IP 65 front panel protection when mounted on a panel or an enclosure door.

This modularity provides a complete and coherent offer. In addition, Magelis Panel PCs can be made-to-order (see page 2/27) or adapted by the user himself according to the current and future needs.

The Panel PCs are equipped with powerful iCore 3rd generation CPUs having extended graphic capabilities. These low power consumption CPUs when combined with aluminum die cast housing technology improves heat dissipation and allows fanless operations.

Overview of the range

Magelis Panel PC Universal with 12" touch screen *(1)*

The Magelis Panel PC Universal range with 12" touch screen is equipped with a low power Intel® iCore 3rd generation 827E and user-expandable DDR3 RAM.

This range is designed for the following environments:
- Maintenance-free (fanless, with non-rotating storage drive):
  - **HMIPUC6D0E01** and **HMIPUC6A0E02**:
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - CFast card/Windows® Embedded Standard 2009
    - 24 V ⎓ power supply or 100…240 V ∿ power supply module pre-mounted
  - HMIPUF6D0701 and HMIPUF6A0701:
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - Flash disk SSD/Windows® 7 Ultimate 64-bit
    - 24 V ⎓ power supply or 100…240 V ∿ power supply module pre-mounted
- Standard industrial environments (with Hard disk):
  - **HMIPUH6D0701** and **HMIPUH6A0701**:
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - Hard disk/Windows® 7 Ultimate 64-bit
    - 24 V ⎓ power supply or 100…240 V ∿ power supply module pre-mounted

(1) For description, see pages 2/10 to 2/12.

Magelis *i*PC selection guide: page 1/4
Magelis *i*PC presentation: page 1/2
Separate components: page 2/26
Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen

Presentation (continued)

Overview of the range (continued)

Magelis Panel PC Performance with 12" touch screen *(1)*

The Magelis Panel PC Performance range with 12" touch screen is equipped with a low power Intel® i3 iCore 3rd generation 3217UE and user-expandable DDR3 RAM.

This range is designed for the following environments:

- ■ Maintenance-free (fanless, with non-rotating storage drive):
- □ **HMIPPF6A2701**
  - 1 PCI + PCI Express® (Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gbps).
  - DVD-RW
  - Flash disk SSD/Windows® 7 Ultimate 64-bit
  - 100…240 V a power supply module pre-mounted (user removable access to 24 V ⎓ power supply)

- ■ Standard industrial environments (with Hard disk):
- □ **HMIPPH6A2701**:
  - 1 PCI + PCI Express® (Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gbps).
  - DVD-RW
  - Hard Disk/Windows® 7 Ultimate 64-bit
  - 100…240 V ∿ power supply module pre-mounted (user removable access to 24 V ⎓ power supply)

Made-to-order Magelis Panel PC Universal and Performance ranges

On Magelis Panel PC Universal and Performance bases, it is possible to configure the units by selecting:

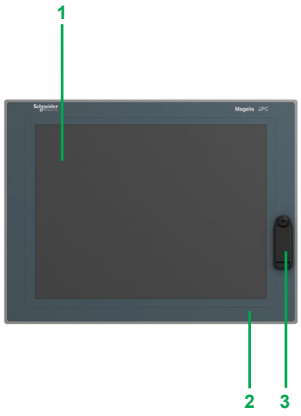
- ■ The capacity of the Compact Flash cards, CFast cards, Flash disk SSD and RAM
- ■ The number of PCI and PCI Express® slots
- ■ The operating system and dedicated HMI software
- ■ Additional options: Internal RAID with 2 redundant Hard disks, interface for backup battery, power supply module, third RS 485 port

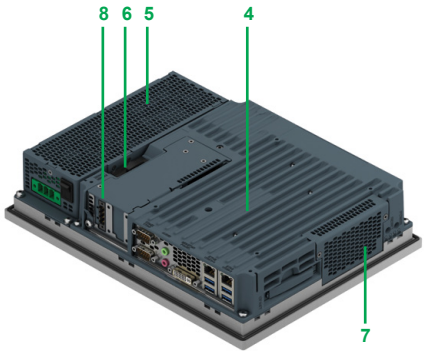
For more information on HMIPCC offer, see page 2/29.

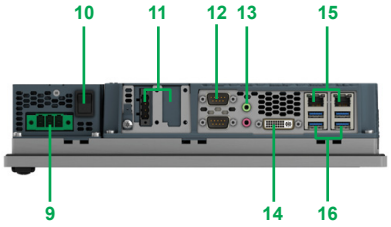
(1) For description, see pages 2/10 to 2/12.

Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen







Description

Magelis Universal and Performance Panel PC: 12" (aluminium bezel)

Front panel

1 12" LCD TFT LED touch screen, XGA 1024 x 768, 16 million colors for **HMIP●●6●●●●●**:
- Brightness: 500 cd/m² (stepless adjustable)
- Type of touch panel: Analog resistive film, resolution 12-bit
- Typical viewing angle: 80° (vertically)/80° (horizontally)
- LED life span > 50 000 H at 25 °C (77 °F)

2 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door; mounted on 1.6…9 mm thick support using the screw fasteners supplied *(1)*

3 USB 2.0 port (0.5 A max.) with screw-on captive protective cover

Magelis Universal and Performance Panel PC: 12", without Slots expansion module

Rear panel

4 Aluminum die cast housing for improved heat dissipation. Combined with low power iCore 3rd generation CPUs, this technology allows fanless operations with static drives, up to 50 °C environment *(1)*.

5 AC power module **HMIYPMAC61** (100…240 V ⎓, 45/65 Hz, 0.6… 2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user removable, or direct access to DC power connector for **HMI●●●6D●●●** (24 V ⎓ +/-25 %, 130 W max.) *(2)*.

6 User access to internal battery backing up real-time clock (RTC) and BIOS settings

7 User access to the 2x DDR3 RAM slots and the Slide-in compact slot for storage drive

8 User access to interface module slots and mount Slot expansion module **HMIPCI●●●** *(3)*.

Underside

9 Connector for AC power module **HMIYPMAC61** (100…240 V ⎓, 45/65 Hz, 0.6…2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user removable, or direct access to DC power connector

10 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI●●●6A●●●**

11 2 slots for interface modules with following restrictions:

Panel PC	Part Number	Slot 1	Slot 2
UPS interface module *(3)*	**HMIYPUPSINT61**	**X**	**–**
SRAM interface module *(3)*	**HMIYPINSRAM61**	**–**	**X**
RS232/422/485 interface module *(3)*	**HMIYPINSL61**	**X**	**X**

12 2 RS232C ports

13 Micro input, line input/line output

14 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(3)*

15 2 Ethernet 10/100/1000 Mbps ports

16 4 USB 3.0 ports (1 A max.)

(1) For installation, please refer to the "product data sheet" on our website www.schneider-electric.com.

(2) Consumption excluding additional PCI/PCI Express® card.

(3) To be ordered separately as an accessory (see pages 2/26 and 2/27).

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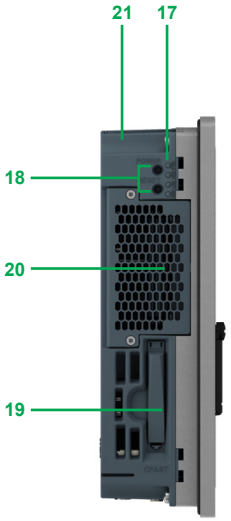
Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen



Description (continued)

Magelis Universal and Performance Panel PC: 12", without Slots expansion module

Side panel

17 4 status and power supply LEDs

18 2 pushbuttons: 1 for power supply and 1 for resetting

19 Slot for CFast card:
- With CFast (SLC technology) ≥ 4 GB (Panel PC **HMIPUC●D0E01**)
- Free slot (Panel PC **HMIP●●F6●0●●1**, **HMIP●H6●●0●●1**)

20 User access to the 2x DDR3 RAM slots expandable up to 16 GB and the Slide-in compact slot for storage drive:
- With 2 GB RAM in 1 slot (Panel PC **HMIPUC6●0E01**). Free slide-in compact slot can be used directly for an additional Flash disk SSD, Hard disk SSD or with adaptor (**HMIYADCFAST61**) *(3)* for a second CFast
- With 2 GB RAM in 1 slot + Flash disk SSD ≥ 60 GB (Panel PC **HMIPUF6●0701**)
- With 2 GB RAM in 1 slot + Hard disk ≥ 500 GB (Panel PC **HMIPUF6●0701**)

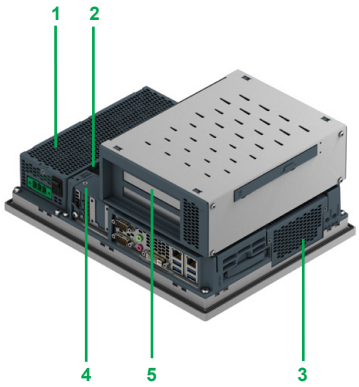
21 User access to fan (Panel PC **HMIP●H6●●●●●**) *(4)* or natural convection (Panel PC **HMIP●C6●●●●●** and **HMIP●F6●●●●●**)

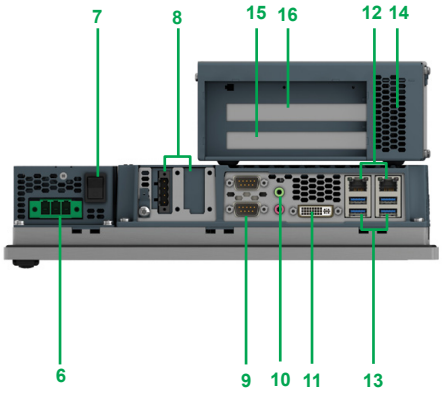
(3) To be ordered separately as an accessory (see page 2/26).
*(4) User can add or replace fan, with fan kit **HMIYPFKT061**(to be ordered separately, see page 2/26).*

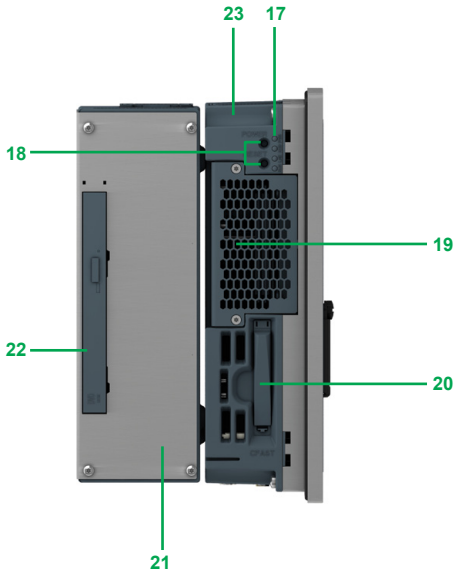
2

Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen







Description (continued)

Magelis Universal and Performance Panel PC: 12", with Slots expansion module

Rear panel

1 AC power module **HMIYPMAC61** (100…240 V ⎓, 45/65 Hz, 0.6…2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user removable, or direct access to DC power connector (24 V ⎓ +/-25 %, 130 W max.) *(2)*.

2 User access to internal battery, backing up real-time clock (RTC) and BIOS settings

3 User access to the 2x DDR3 RAM slots and the Slide-in compact slot for storage drive

4 User access to interface module slots

5 Slot expansion module pre-mounted on Panel PC **HMIPP●6●2●●●**

Underside

6 Connector for AC power module **HMIYPMAC61** (100…240 V ⎓, 45/65 Hz, 0,6…2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●**, or direct access to DC power connector

7 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI●●●6A●●●**

8 2 slots for interface modules with following restrictions:

Panel PC	Part Number	Slot 1	Slot 2
UPS interface module *(3)*	**HMIYPUPSINT61**	**X**	**–**
SRAM interface module *(3)*	**HMIYPINSRAM61**	**–**	**X**
RS232/422/485 interface module *(3)*	**HMIYPINSL61**	**X**	**X**

9 2 RS232C ports

10 Micro input, line input/line output

11 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(3)*

12 2 Ethernet 10/100/1000 Mbps ports

13 4 USB 3.0 ports (1 A max.)

14 Slots expansion module (Panel PC **HMIPP●6A2701**)

15 Slot for half size PCI Express® 1.0 8x 2 Gbps

16 Slot for half size PCI 2.2 32-bit

Side panel

17 4 status and power supply LEDs

18 2 pushbuttons: 1 for power supply and 1 for resetting

19 User access to the 2x DDR3 RAM slots which is expandable up to 16 GB and the Slide-in compact slot for storage drive:
- ☐ With 4 GB RAM in 1 slot + Hard Disk ≥ 500 GB (Panel PC **HMIPPF6A2701**)
- ☐ With 4 GB RAM in 1 slot + Flash disk SSD ≥ 60 GB (Panel PC **HMIPPH6A2701**)

20 Slot for CFast card:
- ☐ Free slot (Panel PC **HMIPP●6●2●●1**)

21 Slots expansion module (Panel PC **HMIPP●6A2701**)

22 Slide-in slot with the DVD-RW drive included *(4)*. Can be used for an additional storage disk with adaptor (**HMIYADSLIDEIN61**) *(3)*

23 User access to fan (Panel PC **HMIP●H6●●●●●**) *(5)* or natural convection (Panel PC **HMIP●C6●●●●●** and **HMIP●F6●●●●●**)

(1) For installation, please refer to the "user manual" on our website www.schneider-electric.com.
(2) Consumption excluding additional PCI/PCI Express® card.
(3) To be ordered separately as an accessory (see pages 2/26 and 2/27).
(4) Operating temperature details available on our website www.schneider-electric.com.
(5) User can add or replace fan, with fan kit HMIYPFKT061(to be ordered separately, see page 2/26).
(6) SRAM interface modules must be installed to run Vijeo Designer Run Time.

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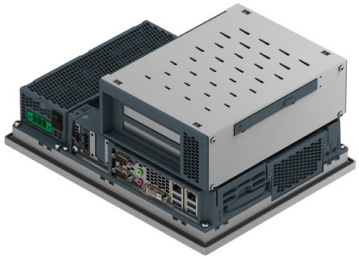
Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 12" touch screen

HMIPUC6D0E01
(Screen side)

HMIPUC6D0E01
CPU side

HMIPPF6A2701
(Screen side)



HMIPPF6A2701
CPU side

Magelis Universal Panel PC - 12" LCD TFT LED touch screen *(1) (2)*
Intel iCore 3rd generation 827E low power

Supply voltage *(6)* PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg/*lb*
For maintenance-free environment						
24 V ⎓ No PCI slot	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	CFast card ≥ 4 GB (SLC technology)	2 GB in 1 slot	**HMIPUC6D0E01**	4.000/ *8.818*
240 V ∿ No PCI slot	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	CFast card ≥ 4 GB (SLC technology)	2 GB in 1 slot	**HMIPUC6A0E01**	4.000/ *8.818*
24 V ⎓ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	2 GB in 1 slot	**HMIPUF6D0701**	4.000/ *8.818*
240 V ∿ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	2 GB in 1 slot	**HMIPUF6A0701**	4.000/ *8.818*
For standard industrial environment						
24 V ⎓ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB in 1 slot	**HMIPUH6D0701**	4.000/ *8.818*
24 V ∿ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB in 1 slot	**HMIPUH6A0701**	4.000/ *8.818*

Magelis Performance Panel - 12" LCD TFT LED touch screen *(1) (2)*
Intel i3 iCore 3rd generation 3217UE dual core low power

Supply voltage *(6)* PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg/*lb*
For maintenance-free environment						
240 V ∿ 2 PCI/ PCI Express® slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	4 GB in 1 slot	**HMIPPF6A2701**	4.200/ *9.259*
For standard industrial environment						
240 V ∿ 2 PCI/ PCI Express® slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	4 GB in 1 slot	**HMIPPH6A2701**	4.200/ *9.259*

(1) 12" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.
(2) For separate components and software, see page 2/27.
(3) Memory capacity user-expandable up to 16 GB in 2 slots.
(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- *Acrobat Reader, Word/Excel/Power Point Viewer*
- *Framework.Net 3.5*
- *Web browser*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

*(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) + requires additional SRAM interface **HMIYPINSRAM61**, see page 2/26.*
*(6) AC models come with removable AC to DC power module and the user can also mount additional AC power module **HMIYPMAC61** in DC models, see page 2/26.*

Industrial PCs

Magelis™ iPCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 15" touch screen

Type		Universal range - 15" touch screen (no PCI slot)		
Industrial environments		Maintenance-free (with Aluminium bezel)		Standard (with Aluminium bezel)
Fanless		★★★★★	★★★★★	★★★★★
Non rotative storage drive		★★★★★	★★★★★	–
Screen	Type	15" LCD TFT LED touch screen		
	Definition	XGA 1024 x 768, 16 million colors		
	Degree of protection	IP 65 and Nema 4x indoor front panel protection when mounted on panel or enclosure door		
	Front panel bezel material	Aluminum		
CPU *(1)*	Processor	Intel® ATOM™ N270 (1.6 GHz)		
	PCI slot	–		
	Storage	Compact Flash card ≥ 4 GB (SLC technology)	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
	RAM *(2)*	1 GB	HMIPUF7●0P01: 1 GB HMIPUF7D0PL1: 2 GB	1 GB
	Integrated DVD-RW drive	–		
	Slide-in rack for peripheral device	1x slide-in compact rack for storage disk		
	Integrated ports	2x Ethernet 10/100/1000 Mbps 1x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top 2x RS232C/1x DVI (VGA RGB adaptor, optional)		
	Optional ports	1x RS232C/RS422/RS485 (option only available in made-to-order configuration) *(1)*		
	Optional RAID PCI card	–		
Operating system		Windows® Embedded Standard 2009	Windows® XP Professional SP3	
Overall dimensions (W x H x D)/Cut-out (W x H)		402 x 301 x 104 mm/Cut-out: 383.5 x 282.5 mm		
Temperature	During operation	0…50 °C, conforming to IEC 61132-2, UL 508		
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz (conforming to IEC 60068-2-6 Fc)		0.125 g from 5...100 Hz
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz (conforming to IEC 60068-2-6 Fc)		0.250 g from 5...100 Hz
	Merchant navy IACS E10	1 mm amplitude from 3…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance		–
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea		
Standards and certifications		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST		
Marine certif.	Germanischer Lloyd (Bridge Class)	24 V ⎓ only with additional power supply filter HMIYLFIMAR11		–
ATEX certification		–		
Software	Vijeo Designer Run Time Demo	21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)		
References of Aluminium bezel versions *(1)*	24 V ⎓	**HMIPUC7D0E01**	**HMIPUF7D0P01**	**HMIPUH7D0P01**
	24 V ⎓ Vijeo Citect Lite 1200 I/O	–	**HMIPUF7D0PL1**	–
	24 V ⎓ Interface for battery	–	–	–
	24 V ⎓ Vijeo Citect Full 500 I/O	–	–	–
	100…240 V ∿	–	**HMIPUF7A0P01**	**HMIPUH7A0P01**
	100…240 V ∿ Vijeo Citect Full 500 I/O	–	–	–
References of Stainless steel bezel versions *(1)*	24 V ⎓	–	–	–
	100…240 V ∿	–	–	–
Pages		2/22		
Made-to-order configuration		See configured Magelis Panel PC on page 2/29		

(1) Other options available (interface for backup battery, 3rd serial port, etc.) in made-to-order configuration (see page 2/26).
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/26).

Universal range (2 PCI slots)		Performance range (no PCI slot)		Performance range (2 PCI slots)	
Maintenance-free (with Aluminium or Stainless steel bezel)	Standard (with Aluminium or Stainless steel bezel)	Harsh (with Aluminium bezel)	Standard (with Aluminium bezel)	Harsh (with Aluminium bezel)	Standard (with Aluminium or Stainless steel bezel)
★★★★★	★★★★★	–	–	–	–
★★★★★	–	★★★★★	–	★★★★★	–
15" LCD TFT LED touch screen					
XGA 1024 x 768, 16 million colors					
IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door					
Aluminium or Stainless steel		Aluminum			Aluminium or Stainless steel
Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset			
2 (1 PCI + 1 PCI Express®)		–		2 (1 PCI + 1 PCI Express®)	
Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
HMIP●F7A2P01: 1 GB HMIPUF7A2PF1: 2 GB	1 GB	HMIPPF7D0701: 2 GB HMIPPF7D07F1: 4 GB	2 GB	HMIP●F7A2701: 2 GB HMIPPF7A27F1: 4 GB	2 GB
1		–		1	
1x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)		1 x slide-in compact rack for storage disk		1 x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1 x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)	
2x Ethernet 10/100/1000 Mbps					
1x USB 2.0 (1 A) on the front panel (only for aluminium bezel version) + 4 x USB 2.0 (0.5 and 1 A) at the top (for all models)					
2x RS232C/1 x DVI (VGA RGB adaptor, optional)					
1x RS232C/RS422/RS485 (option only available in made-to-order configuration) *(1)*					
HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)		–		HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)	
Windows® XP Professional SP3		Windows® 7 Ultimate 64-bit			
402 x 301 x 153 mm/Cut-out: 383.5 x 282.5 mm		402 x 301 x 119 mm/Cut-out: 383.5 x 282.5 mm		402 x 301 x 168 mm/Cut-out: 383.5 x 282.5 mm	
0…50 °C, conforming to IEC 61132-2, UL 508					
1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz
3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz
–					
15 g/11 ms conforming to IEC 60068-2-27 test Ea					
□ CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST □ EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only)					
–					
ATEX II 3 Dust zone 22 (Stainless steel bezel versions only)					
21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)					
–	**HMIPUH7D2P01**	**HMIPPF7D0701**	**HMIPPH7D0701**	–	**HMIPPH7D2701**
–	–	–	–	–	–
–	–	–	–	–	**HMIPPH7B2701**
–	–	**HMIPPF7D07F1**	–	–	–
HMIPUF7A2P01	**HMIPUH7A2P01**	–	**HMIPPH7A0701**	**HMIPPF7A2701**	**HMIPPH7A2701**
HMIPUF7A2PF1	–	–	–	**HMIPPF7A27F1**	–
HMIPTF7D2P01	**HMIPTH7D2P01**	–	–	–	–
–	–	–	–	–	**HMIPRH7A2701**
2/22		2/23			
See configured Magelis Panel PC on page 2/29					

(3) Conforming to IEC 60068-2-6 Fc.

Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 19" touch screen

Type		**Universal range - 19" touch screen** (no PCI slot)				
Industrial environments		**Maintenance-free (with Aluminium bezel)**		**Standard (with Aluminium bezel)**		
Fanless		★★★★★	★★★★★	★★★★★		
Non-rotative storage drive		★★★★★	★★★★★	–		
Screen	Type	19" LCD TFT LED touch screen				
	Resolution	SXGA 1280 x 1024, 16 million colors				
	Degree of protection	IP 65 and Nema 4x indoor front panel protection when mounted on panel or enclosure door				
	Front panel bezel material	Aluminum				
CPU *(1)*	Processor	Intel® ATOM™ N270 (1.6 GHz)				
	PCI slot	–				
	Storage	Compact Flash card ≥ 4 GB (SLC technology)	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB		
	RAM *(2)*	1 GB	HMIPUF9D0P01: 1 GB HMIPUF9D0PF1: 2 GB	1 GB		
	Integrated DVD-RW drive	–				
	Slide-in rack for peripheral device	1x slide-in compact rack for storage disk				
	Integrated ports	2x Ethernet 10/100/1000 Mbps				
		1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top				
		2x RS232C/1x DVI (VGA RGB adaptor, optional)				
	Optional ports *(1)*	1x RS232C/RS422/RS485 (option only available in made-to-order configuration) *(1)*				
	Optional RAID PCI card	–				
Operating system		Windows® Embedded Standard 2009	Windows® XP Professional SP3			
Overall dimensions (W x H x D)/Cut-out (W x H)		480 x 380 x 114 mm/Cut-out: 459.5 x 359.5 mm				
Temperature	During operation	0…50 °C, conforming to IEC 61132-2, UL 508				
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*		0.125 g from 5...100 Hz		
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(3)*		0.250 g from 5...100 Hz		
	Merchant navy IACS E10	1 mm amplitude from 3…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance		–		
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea				
Standards and certifications		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST				
Marine certification	Germanischer Lloyd (Bridge Class)	24 V ⎓ only with additional power supply filter HMIYLFIMAR11		–		
Software	Vijeo Designer Run Time Demo	21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)				
References *(1)*	24 V ⎓	**HMIPUC9D0E01**	**HMIPUF9D0P01**	**HMIPUH9D0P01**		
	24 V ⎓ Vijeo Citect Lite 1200 I/O	–	–	–		
	24 V ⎓ Vijeo Citect Full 500 I/O	–	**HMIPUF9D0PF1**	–		
	100…240 V ∿	–	–	**HMIPUH9A0P01**		
	100…240 V ∿ Vijeo Citect Full 500 I/O	–	–	–		
Pages		2/24				
Made-to-order configuration		See configured Magelis Panel PC on page 2/29				

(1) Other options available (interface for backup battery, 3rd serial port, etc.) in made-to-order configuration (see page 2/26).
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/26).

Universal range - 19" touch screen (2 PCI slots)				**Performance range - 19" touch screen** (no PCI slot)		**Performance range - 19" touch screen** (2 PCI slots)	
Maintenance-free (with Aluminium bezel)		**Standard (with Aluminium bezel)**		**Harsh (with Aluminium bezel)**	**Standard (with Aluminium bezel)**	**Harsh (with Aluminium bezel)**	**Standard (with Aluminium bezel)**
★★★★★		★★★★★		–	–	–	–
★★★★★		–		★★★★★	–	★★★★★	–
19" LCD TFT LED touch screen							
SXGA 1280 x 1024, 16 million colors							
IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door							
Aluminum							
Intel® ATOM™ N270 (1.6 GHz)				Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset			
2 (1 PCI + 1 PCI Express®)				–		2 (1 PCI + 1 PCI Express®)	
Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB			Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
HMIPUF9A2P01: 1 GB HMIPUF9A2PF1: 2 GB	1 GB			HMIPPF9D0701: 2 GB HMIPPF9D07F1: 4 GB	2 GB	HMIPPF9A2701: 2 GB HMIPPF9A27F1: 4 GB	2 GB
1				–		1	
1x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)				1 x slide-in compact rack for storage disk		1 x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1 x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)	
2x Ethernet 10/100/1000 Mbps							
1x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top							
2x RS232C/1 x DVI (VGA RGB adaptor, optional)							
1x RS232C/RS422/RS485 (option only available in made-to-order configuration) *(1)*							
HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)				–		HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)	
Windows® XP Professional SP3				Windows® 7 Ultimate 64-bit			
480 x 380 x 153 mm/Cut-out: 459.5 x 359.5 mm				480 x 380 x 129 mm/Cut-out: 459.5 x 359.5 mm		480 x 380 x 168 mm/Cut-out: 459.5 x 359.5 mm	
0…50 °C, conforming to IEC 61132-2, UL 508							
1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz			1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*	0.125 g from 5...100 Hz
3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz			3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz *(3)*	0.250 g from 5...100 Hz
–							
15 g/11 ms conforming to IEC 60068-2-27 test Ea							
CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST							
–							
21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)							
–	HMIPUH9D2P01			HMIPPF9D0701	HMIPPH9D0701	–	HMIPPH9D2701
–	–			–	–	–	–
–	–			HMIPPF9D07F1	–	–	–
HMIPUF9A2P01	HMIPUH9A2P01			–	HMIPPH9A0701	HMIPPF9A2701	HMIPPH9A2701
HMIPUF9A2PF1	–			–	–	HMIPPF9A27F1	–
2/24				2/25			
See configured Magelis Panel PC on page 2/29							

(3) Conforming to IEC 60068-2-6 Fc.

Industrial PCs

Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 15" or 19" touch screen

Magelis Panel PC 15" and 19"

Presentation

The Magelis Panel PC Universal and Performance ranges with 15" and 19" touch screens offer products that are rugged and certified for automation applications.

Both ranges are suitable for various uses in the following environments:
- Mmaintenance-free
- Harsh
- Standard

The 15" screen Magelis Panel PC version with a stainless steel front panel bezel and ATEX certification are particularly recommended for certain targeted sectors like food and beverage, chemical, pharmaceutical, and gas and petroleum.

The 15" and 19" touch screens are LCD TFT LED 16 million color touch screen with IP 65 front panel protection when mounted on a panel or an enclosure door.

The modular design of the Panel PCs provide a complete and coherent offer of referenced products with the Universal and Performance ranges.
In addition to the referenced offer, the flexibility offered by the modular design allows Magelis Panel PCs to be made-to-order (see page 2/27).

Overview of the range

Magelis Panel PC Universal range with 15" and 19" touch screens *(1) (2)*

The Magelis Universal Panel PC with 15" and 19" touch screens are equipped with a fanless Intel® ATOM™ N270 processor (1.6 GHz) and DDR2 RAM *(3)*.

This range is designed for the following environments:
- ■ Maintenance-free (fanless, with solid-state storage disk):
  - □ **HMIPUC7D0E01** and **HMIPUC9D0E01**:
    - No PCI slot
    - Compact Flash card/Windows® Embedded Standard 2009
    - 24 V ⎓ power supply
  - □ **HMIPUF7D0P01**, **HMIPUF7D0PL1**, **HMIPUF7A0P01**, **HMIPUF9D0P01** and **HMIPUF9D0PF1**:
    - No PCI slot
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∿ power supply
  - □ **HMIPUF7A2P01**, **HMIPUF7A2PF1**, **HMIPUF9A2P01** and **HMIPUF9A2PF1**:
    - 1 PCI + 1 PCI Express®,
    - Flash disk SSD/Windows® XP Professional SP3
    - 100…240 V ∿ power supply

- ■ Maintenance-free (fanless, with solid-state storage disk) and with Stainless steel front panel bezel:
  - □ **HMIPTF7D2P01**:
    - 1 PCI + 1 PCI Express®
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V ⎓ power supply

- ■ Standard industrial environments (with Hard disk):
  - □ **HMIPUH7D0P01**, **HMIPUH7A0P01**, **HMIPUH9D0P01** and **HMIPUH9A0P01**:
    - No PCI slot
    - Hard disk/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∿ power supply
  - □ **HMIPUH7D2P01**, **HMIPUH7A2P01**, **HMIPUH9D2P01** and **HMIPUH9A2P01**:
    - 1 PCI + 1 PCI Express®,
    - Hard disk/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∿ power supply

- ■ Standard industrial environments (with Hard disk) and with Stainless steel front panel bezel:
  - □ **HMIPTH7D2P01**:
    - 1 PCI + 1 PCI Express®,
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V ⎓ power supply

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x.
(2) For description, see pages 2/20 and 2/21.
(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

Magelis *i*PC selection guide: page 1/4
Magelis *i*PC presentation: page 1/2
Separate components: page 2/26
Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 15" or 19" touch screen

Presentation (continued)

Overview of the range (continued)

Magelis Panel PC Performance range *(1) (2)*

The Magelis Panel PC Performance range is equipped with the Intel® Core™ 2 Duo P8400 processor (2.26 GHz) + Intel® GM45 chipset and DDR3 RAM *(3)*.

This range is designed for the following environments:

■ Harsh industrial environments (with solid-state storage disk):

□ **HMIPPF7D0701**, **HMIPPF7D07F1**, **HMIPPF9D0701** and **HMIPPF9D07F1**:
- No PCI slot
- Flash disk SSD/Windows® 7 Ultimate 64-bit
- 24 V ⎓ power supply

□ **HMIPPF7A2701**, **HMIPPF7A27F1**, **HMIPPF9A2701** and **HMIPPF9A27F1**:
- 1 PCI + 1 PCI Express®
- Flash disk SSD/Windows® 7 Ultimate 64-bit
- 100…240 V ∿ power supply

■ Standard industrial environments (with Hard disk):

□ **HMIPPH7D0701**, **HMIPPH7A0701**, **HMIPPH9D0701** and **HMIPPH9A0701**:
- No PCI slot
- Hard disk/Windows® 7 Ultimate 64-bit
- 24 V ⎓ or 100…240 V ∿ power supply

□ **HMIPPH7D2701**, **HMIPPH7B2701** *(4)*, **HMIPPH7A2701**, **HMIPPH9D2701** and **HMIPPH9A2701**:
- 1 PCI + 1 PCI Express®
- Hard disk/Windows® 7 Ultimate 64-bit
- 24 V ⎓ or 100…240 V ∿ power supply

■ Standard industrial environments (with Hard disk) and with Stainless steel front panel bezel:

□ **HMIPRH7A2701**:
- 1 PCI + PCI Express®
- Hard disk/Windows® 7 Ultimate 64-bit
- 100…240 V ∿ power supply

Made-to-order Magelis Panel PC Universal and Performance ranges

On Magelis Universal and Performance Panel PC bases, it is possible to customize the CPU by selecting:

■ The capacity of the Compact Flash card and the RAM

■ The number of PCI and PCI Express® slots

■ The operating system and dedicated HMI software

■ Additional assembled options: PCI RAID card with 2 redundant Hard disks *(5)*, interface for backup battery, interface for battery-backed power supply module, third RS 485 port, etc.

For more information on HMIPCC offer, see page 2/29.

USB accessories for HMI terminals

The Magelis™ USB accessories are designed to expand selection range of user applications by offering value-added/differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals *(6)*.

The Magelis USB accessories supported by Magelis Panel PC includes:

■ Harmony XB5S biometric USB switch

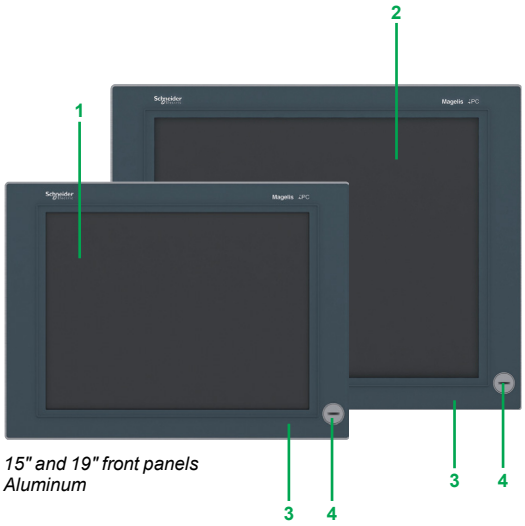
■ Magelis HMIZ illuminated USB switch

For more information on HMI USB accessories, please refer to our website www.schneider-electric.com.

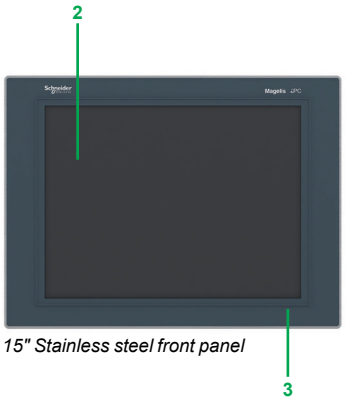
(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x.
(2) For description, see pages 2/20 and 2/21.
(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(4) Supplied with battery-backed interface module inserted.
(5) Operating temperature details available on our website www.schneider-electric.com.
(6) Requires Vijeo Designer software running on Magelis Panel PC.

Industrial PCs

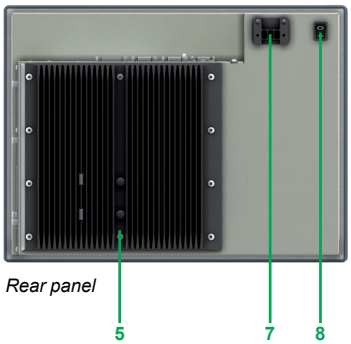
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 15" or 19" touch screen



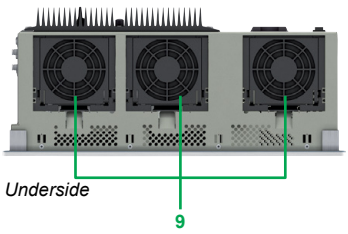
15" and 19" front panels Aluminum



15" Stainless steel front panel



Rear panel



Underside

Magelis Panel PC, 15" or 19"

Description

Magelis Universal and Performance Panel PC:
15" (Aluminium and Stainless steel bezel) and 19" (Aluminium bezel)

Front panels

1 15" LCD TFT LED touch screen, XGA 1024 x 768, 16 million colors for **HMIP●●7●●●●●**:
- Brightness: 350 cd/m² (adjustable)
- Type of touch panel: Analog resistive film, resolution 4096 x 4096
- Typical viewing angle: 100° (vertically)/160° (horizontally)

2 19" LCD TFT LED touch screen, SXGA 1280 x 1024, 16 million colors for **HMIP●●9●●●●●**:
- Brightness: 300 cd/m² (adjustable)
- Type of touch panel: Analog resistive film, resolution 4096 x 4096
- Typical viewing angle: 100° (vertically)/160° (horizontally)

3 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door; mounted on 1.6…10 mm thick support using screw fasteners supplied *(1)*

or

Stainless steel 304 “Scotch Brite®” brushed finish front panel enabling an IP 65 and Nema 4X indoor degree of protection of the front panel when mounted on a panel or an enclosure door. Mounted on 1.6…10 mm thick support using stainless steel screw fasteners supplied *(1)*. Simplified cleaning because of the absence of USB port on front panel (conforms to food and beverage processing machines standard EN 1672-2). Version fitted with specific seals (standard FDA 21 CFR 177.206)

4 USB 2.0 port (1 A max.) with screw-on protective cover (only available for Aluminium version); captive protective cover option also available *(2)*

Rear panel

5 Heat sink *(1)*

6 Connector for Panel PC 100…240 V ∿/1.6 A power supply (Panel PC **HMI●●●●A●●●●**) *(3)*

7 On/Off switch for 100…240 V ∿ power supply (Panel PC **HMI●●●●A●●●●**)

Underside

8 Fans (Panel PC **HMIPP●●●●●●●**) *(4)*
Natural convection (Panel PC **HMIPU●●●●●●●**) *(1)*

(1) For installation, please refer to the “product data sheet” on our website www.schneider-electric.com.
(2) To be ordered separately (see page 2/26).
(3) Consumption excluding additional PCI card.
(4) Can be replaced with the Panel PC fan kit by the customer (to be ordered separately, see page 2/26).

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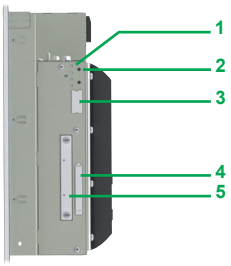
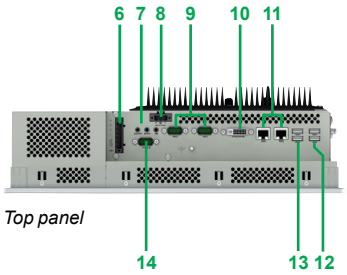
Industrial PCs

Magelis™ iPCs certified for automation
Magelis™ Panel PC
Universal and Performance ranges with 15" or 19" touch screen

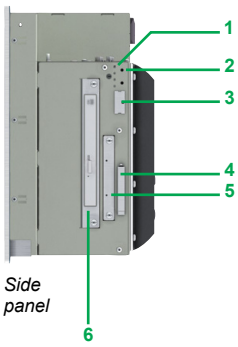


Side panel

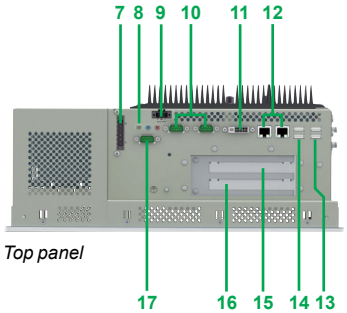


Top panel

Magelis Panel PC, 15" or 19", no PCI slot



Side panel



Top panel

Magelis Panel PC, 15" or 19", 2 PCI slots

Description (continued)

Magelis Universal and Performance Panel PC, 15" and 19", no PCI slot

Side panel

1 4 status and power supply LEDs
2 2 pushbuttons: 1 for power supply and 1 for resetting
3 Battery
4 Slot for Compact Flash card:
- With Compact Flash card (SLC technology) ≥ 4 GB (Panel PC **HMIPUC●D0E01**)
- Free slot (Panel PC **HMIP●F●●0●●1**, **HMIP●H●●0●●1**)

5 Slide-in compact rack:
- Free slot (Panel PC **HMIPUC●D0E01**)
- With Flash disk SSD ≥ 60 GB (Panel PC **HMIP●F●●0●●1**)
- With Hard disk ≥ 500 GB (Panel PC **HMIP●H●●0●●1**)

Top panel

6 Free slot for battery-backed power supply interface module *(1)*
7 Micro input, line input/line output
8 Connector for Panel PC 24 V ⎓/7 A power supply (Panel PC **HMIP●●●D0●●1**) *(2)*
9 2 RS232C ports
10 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(1)*
11 2 Ethernet 10/100/1000 Mbps ports
12 2 USB 2.0 ports (1 A max.)
13 2 USB 2.0 ports (0.5 A max.)
14 Slot for additional RS232C/RS422/RS485 serial link interface; to be ordered separately in made-to-order configuration *(1)*.

Magelis Universal and Performance Panel PC, 15" and 19", 2 PCI slots

Side panel

1 4 status and power supply LEDs
2 2 pushbuttons: 1 for power supply and 1 for resetting
3 Battery
4 Free slot for Compact Flash card
5 Slide-in compact rack:
- With Flash disk SSD ≥ 60 GB (Panel PC **HMIP●F●●●●1**)
- With Hard disk ≥ 500 GB (Panel PC **HMIP●H●●2●●1**)

6 Slide-in rack with the DVD-RW drive included *(3)*. Can be used for an additional storage disk with adaptor (**HMIYADSLIDEIN11**) *(4)*

Top panel

7 Slot for battery-backed power supply interface module:
- Module mounted on Panel PC **HMIPPH7B2701**
- Module not included as standard on other models *(1)*

8 Micro input, line input/line output
9 Connector for Panel PC 24 V ⎓/7 A power supply (Panel PC **HMIP●D●●●●1**) *(2)*
10 2 RS232C ports
11 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(1)*
12 2 Ethernet 10/100/1000 Mbps ports
13 2 USB 2.0 ports (1 A max.)
14 2 USB 2.0 ports (0.5 A max.)
15 Half-format PCI Express® 4x slot
16 Half-format PCI 2.2 slot
17 Slot for additional RS232C/RS422/RS485 serial link interface; to be ordered separately in made-to-order configuration *(1)*.

(1) To be ordered separately in made-to-order configuration (see page 2/27).
(2) Consumption excluding additional PCI card.
(3) Operating temperature details available on our website www.schneider-electric.com.
(4) To be ordered separately as an accessory (see page 2/26).

Magelis iPC selection guide: page 1/4
Magelis iPC presentation: page 1/2
Separate components: page 2/26
Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Universal range - 15" touch screen

PF110314

HMIPU●7●●●●1
(Screen side)

PF110378

HMIPTF7D2P01
HMIPTH7D2P01
(Screen side)

PF110341

HMIPU●7A0P●1
(CPU side)

PF110327

HMIPU●7A2P●1
(CPU side)

PF110340

HMIPUH7D2P01
(CPU side)

Magelis Universal Panel PC - 15" LCD TFT LED touch screen *(1) (2)*
(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)

Supply voltage PCI slot	Operating system	Software	Storage	DDR2 RAM *(3)*	Reference	Weight kg/*lb*
For maintenance-free environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Compact Flash (SLC technology) ≥ 4 GB	1 GB	**HMIPUC7D0E01**	8.900/ *19.621*
	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPUF7D0P01**	9.000/ *19.842*
		Vijeo Designer RT Demo *(5)* Vijeo Citect Lite 1200 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIPUF7D0PL1**	9.000/ *19.842*
100…240 V ∿ No PCI slot	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPUF7A0P01**	9.500/ *20.943*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPUF7A2P01**	10.900/ *24.030*
		Vijeo Designer RT Demo *(5)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIPUF7A2PF1**	10.900/ *24.030*
For maintenance-free environment (with Stainless steel front panel bezel)						
24 V ⎓ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPTF7D2P01**	11.100/ *24.471*
For standard industrial environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH7D0P01**	9.000/ 8.818
24 V ⎓ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH7D2P01**	10.300/ *22.708*
100…240 V ∿ No PCI slot	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH7A0P01**	9.500/ *20.943*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH7A2P01**	10.900/ *24.030*
For standard industrial environment (with Stainless steel front panel bezel)						
24 V ⎓ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPTH7D2P01**	11.100/ *24.471*

(1) 15" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.
(2) For separate components, software and external power supply see page 2/26.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- *Acrobat Reader, Word/Excel/Power Point Viewer*
- *Framework.Net 3.5*
- *Web browser*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

*(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 2/28).*

Magelis *i*PC selection guide: page 1/4 | Magelis *i*PC presentation: page 1/2 | Separate components: page 2/26 | Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Performance range - 15" touch screen

PF110314

HMIPP●7●●●●1
(Screen side)

PF110378

HMIPPF7A2701
(Screen side)

PF110341

HMIPP●7A0701
(CPU side)

PF110327

HMIPP●7A27●1
(CPU side)

PF110340

HMIPPH7D2701
(CPU side)

Magelis Performance Panel - 15" LCD TFT LED touch screen *(1) (2)*
(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

Supply voltage PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg/*lb*
For harsh industrial environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIPPF7D0701**	10.100/ *22.267*
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIPPF7D07F1**	10.100/ *22.267*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIPPF7A2701**	12.000/ *26.455*
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIPPF7A27F1**	12.000/ *26.455*
For standard industrial environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH7D0701**	10.100/ *22.267*
24 V ⎓ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH7D2701**	11.400/ *25.133*
24 V ⎓ with interface for backup battery 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH7B2701**	11.400/ *25.133*
100…240 V ∿ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH7A0701**	10.600/ *23.368*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH7A2701**	12.000/ *26.455*
For standard industrial environment (with Stainless steel front panel bezel)						
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPRH7A2701**	12.200/ *26.896*

(1) 15" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.
(2) For separate components, software and external power supply see page 2/26.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
*(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 2/28).*

Industrial PCs

Magelis™ *i*PCs certified for automation

Magelis™ Panel PC

Universal range - 19" touch screen

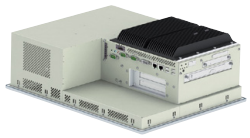
PF110313

HMIPU●9●●●●1
(Screen side)

PF110326

HMIPU●9A2P●1
(CPU side)

PF110343



HMIPUH9D2P01
(CPU side)

PF110342

HMIPUH9A0P01
(CPU side)

Magelis Universal Panel PC - 19" LCD TFT LED touch screen *(1) (2)*
(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)

Supply voltage PCI slot	Operating system	Software	Storage	DDR2 RAM *(3)*	Reference	Weight kg/*lb*
For maintenance-free environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Compact Flash (SLC technology) ≥ 4 GB	1 GB	**HMIPUC9D0E01**	13.600/ *29.983*
	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPUF9D0P01**	13.700/ *30.203*
		Vijeo Designer RT Demo *(5)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIPUF9D0PF1**	13.700/ *30.203*
100…240 ∿V 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIPUF9A2P01**	14.700/ *32.408*
		Vijeo Designer RT Demo *(5)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIPUF9A2PF1**	15.500/ *34.172*
For standard industrial environment (with Aluminium front panel bezel)						
24 V ⎓ No PCI slot	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH9D0P01**	13.700/ *30.203*
24 V ⎓ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH9D2P01**	15.000/ *33.069*
100…240 V ∿ No PCI slot	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH9A0P01**	14.300/ *31.526*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(5)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIPUH9A2P01**	15.500/ *34.172*

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.
(2) For separate components, software and external power supply see page 2/26.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- *Acrobat Reader, Word/Excel/Power Point Viewer*
- *Framework.Net 3.5*
- *Web browser*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

*(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 2/28).*

Magelis *i*PC selection guide: page 1/4 | Magelis *i*PC presentation: page 1/2 | Separate components: page 2/26 | Equivalent product table: page 2/30

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ Panel PC
Performance range - 19" touch screen

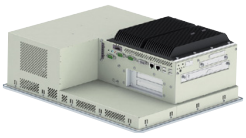
PF110313

HMIPP●9●●●●1
(Screen side)

PF110326

HMIPP●9A27●1
(CPU side)

PF110343



HMIPPH9D2701
(CPU side)

PF110342

HMIPPH9A0701
(CPU side)

Magelis Performance Panel - 19" LCD TFT LED touch screen *(1) (2)*
(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

Supply voltage PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg/*lb*
For harsh industrial environment (with Aluminium front panel bezel)						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIPPF9D0701**	14.800/ *32.628*
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIPPF9D07F1**	14.800/ *32.628*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIPPF9A2701**	16.600/ *36.596*
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIPPF9A27F1**	16.600/ *36.596*
For standard industrial environment (with Aluminium front panel bezel)						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH9D0701**	14.800/ *32.628*
24 V ⎓ **1 PCI + 1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH9D2701**	16.100/ *35.494*
100…240 V ∿ No PCI slot	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH9A0701**	15.400/ *33.951*
100…240 V ∿ 1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIPPH9A2701**	16.500/ *36.376*

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.
(2) For separate components, software and external power supply, see page 2/26.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).
*(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**), (see page 2/28).*

Industrial PCs

Magelis™ *i*PCs certified for automation

Separate components for Magelis™ Panel PC Optimum, Universal and Performance ranges

Separate components

Description	Details	Compatible with Magelis Panel PC ranges:			Reference	Weight kg/*lb*
		Optimum	Universal	Performance		
Hard Disk Drive	500 GB, blank	-	Panel PC 12"		**HMIYHDD50061**	–
Flash Disk SSD	60 GB, blank	-	Panel PC 12"		**HMIYSDD06061**	–
	128 GB, blank	-	All models		**HMIYSDD18061**	–
CFast card (SLC technology)	4 GB, blank	-	Panel PC 12"		**HMIYCFA04**	–
	8 GB, blank	-	Panel PC 12"		**HMIYCFA08**	–
	16 GB, blank	-	Panel PC 12"		**HMIYCFA16**	–
DVD-RW drive for slide-in slot *(1)*	CD-RW and DVD-RW reader/ writer	-	Panel PC 12"		**HMIYDRDVDRW61**	–
RAM expension DDR3	2 GB for 1 slot	-	Panel PC 12"		**HMIYPRAM302061**	–
	4 GB for 1 slot	-	Panel PC 12"		**HMIYPRAM304061**	–
	8 GB for 1 slot	-	Panel PC 12"		**HMIYPRAM308061**	–
						–
Interface module	Additional serial link RS232/422/485	-	Panel PC 12"		**HMIYPINSL61**	–
	SRAM for Vijeo Designer	-	Panel PC 12"		**HMIYPINSRAM61**	–
	Battery backup interface	-	Panel PC 12"		**HMIYPUPSINT61**	–
Backup power supply kit	"Provides an uninterruptible power supply. Includes: ■ 1 backup battery ■ 1x 3 m cordset	-	Panel PC 12" (require battery backup interface HMIPUPSINT61)		**HMIYUPSKT61**	–
Slide-in adaptor for storage disk *(2)*	To insert a Hard disk, a Flash disk SSD, or a CFast with adaptor, in a slide-in slot	-	Panel PC 12"		**HMIYADSLIDEIN61**	–
Slide-in compact adaptor for CFast *(2)*	To insert a CFast in a slide-in compact slot	-	Panel PC 12"		**HMIYADCFAST61**	–
Slots expension module	Module 1 PCI + 1 slide-in slots	-	Panel PC 12"		**HMIYPCI161**	–
	Module 1 PCI Express® + 1 slide-in slots	-	Panel PC 12"		**HMIYPCIC61**	–
	Module 1 PCI + 1 PCI Express® + 1 slide-in slots	-	Panel PC 12"		**HMIYPCI261**	–
	Module 2 PCI +1 slide-in slots	-	Panel PC 12"		**HMIYPCIA61**	–
AC to DC power supply module	To replace or add an AC power module	-	Panel PC 12"		**HMIYPMAC61**	–
Maintenance kit for Panel PC includes:	1x 3-way removable connector for 24 V ⎓ power supply	-	Panel PC 12"		**HMIYPMKT61**	–
	1x 3-way removable connector for 100…240 V ∿ power supply					
	18 screw fasteners					
	2 Front USB port cap					
	5 Fan filters					
Fan Kit for Panel PC	To replace or add a fan	-	Panel PC 12"		**HMIYPFKT061**	–
Screen protection	5 protective film sheets for 12" screen	-	Panel PC 12"		**MPCYK20SPSKIT**	–

(1) Operating temperature details are available on our website www.schneider-electric.com.
(2) The user has to check for third party drive compliancy.

Industrial PCs

Magelis™ *i*PCs certified for automation

Separate components for Magelis™ Panel PC Optimum, Universal and Performance ranges

Separate components

Description	Details	Compatible with Magelis Panel PC ranges: Optimum	Universal	Performance	Reference	Weight kg/*lb*
Storage disks, peripheral equipment, kits						
Hard disk	500 GB, blank	–	Panel PCs 15" and 19"		**HMIYHDD050011**	–
Flash disk SSD ⩾ 60 GB	60 GB, blank	–	Panel PCs 15" and 19"		**HMIYSDD006011**	–
Compact Flash card (SLC technology)	2 GB, blank	All models (Panel PCs 10", 15" and 19")			**HMIYCFS0211**	–
	4 GB, blank	All models			**HMIYCFS0411**	–
	8 GB, blank	All models			**HMIYCFS0811**	–
SD memory card	4 GB, blank, for user data	All models	–		**HMIZSD4G**	–
DVD-RW drive for slide-in rack *(1)*	CD-RW and DVD-RW reader/writer	–	Panel PCs 15" and 19" with 2 PCI slots		**HMIYDRDVDRW11**	–
Slide-in adaptor for storage disk *(3)*	Used to insert a Hard disk or an SSD Flash disk in a slide-in rack	–	Panel PCs 15" and 19" with 2 PCI slots		**HMIYADSLIDEIN11**	–
DVI/VGA RGB adaptor	For connecting an RGB screen to the integrated DVI port	–	All models		**HMIYADDVIRGB11**	–
RAID PCI card with 2 redundant Hard disks *(1)*	PCI card equipped with two redundant Hard disks enterprise 24/7 ⩾ 500 GB	–	Panel PCs 15" and 19" with 2 PCI slots		**HMIYRAIDPCI11**	–
Hard disk for RAID PCI card	Replacement Hard disk for RAID PCI card HMIYRAIDPCI11	–	Panel PCs 15" and 19" with 2 PCI slots + RAID PCI card HMIYRAIDPCI11		**HMIYRAIDD050011**	–
Backup power supply kit	Provides an uninterruptible power supply. Includes: ■ 1 backup battery ■ 1x 3 m cordset	–	Configured Magelis Panel PCs 15" and 19" with battery-backed power supply interface module *(2)*		**HMIYUPSKT11**	–
Power supply filter for marine certification	Necessary for compliance with marine certification.	Panel PC HMI PWC7D0E01	Panel PC 15" and 19" universal DC PUC●D●●●●/ PUF●D●●●●	–	**HMIYLFIMAR11**	–
Maintenance kit for Panel PC	Includes: ■ 1x 3-way removable connector for 24 V ⎓ power supply ■ 1 x 3-way removable connector for 100…240 V ∿ power supply ■ 2 protective covers for USB port on front panel (only on Aluminium bezel versions) ■ 10 replacement filters for fan, including: □ 5 for Magelis Panel PC with no PCI slot □ 5 for Magelis Panel PC with 2 PCI slots ■ 18 screw fasteners (Aluminium bezel) or 14 fasteners (Stainless steel bezel)	–	Panel PCs 15" and 19"		**HMIYPMKT11**	0.060/ *0.132*
Captive USB protective cover	2 captive covers for USB port on front panel	All Aluminium bezel version models			**HMIYPUSBUN511**	0.040/ *0.088*
Fan kit for Panel PC	For fan replacement by user	–	Panel PC 15" and 19" with no PCI/ PCI Express® slots		**HMIYPFKT01**	0.250/ *0.551*
			Panel PC 15" and 19" with PCI/PCI Express® slots		**HMIYPFKT21**	0.800/ *1.764*
Screen protection	5 protective film sheets for 10" screen	Panel PC HMI PWC5D0E01	–		**MPCYK20SPSKIT**	–
	5 protective film sheets for 15" screen (Aluminium and Stainless steel bezel versions)	Panel PC HMI P●C7D0E01	Panel PC HMIP●●7●●●●●		**MPCYK50SPSKIT**	–
	5 protective film sheets for 19" screen	–	Panel PC HMIP●●9●●●●●		**MPCYK90SPSKIT**	–
Cable for *i*Display 15"	Extra long (10 m/*3.28 ft*)	–	All models		**HMIYCABDVI1011**	–

(1) Operating temperature details are available on our website www.schneider-electric.com.
(2) For configured Magelis Panel PC see page 2/27.
(3) The user has to check for third party drive compliancy.

Magelis *i*PC selection guide: page 1/4
Magelis *i*PC presentation: page 1/2
Equivalent product table: page 2/30

Industrial PCs

Magelis™ *i*PCs certified for automation

Separate components for Magelis™ Panel PC

Optimum, Universal and Performance ranges

Separate components

Description	Details	Compatible with Magelis Panel PC ranges: Optimum	Universal	Performance	Reference	Weight kg/*lb*
Software						
Vijeo Designer Run Time license for 1 workstation	Converts the 21-day trial version of Vijeo Designer Run Time Demo to an unlimited license	All models			**VJDSNRTMPC**	–
License extension Intelligent Data Service for Vijeo Designer Run Time for 1 workstation	Used to track the process variables and all operator actions, and offers visibility of the key process values	All models (requires storage capacity ≥ 4 GB)			**VJDSNTRCKV60M**	–
External Phaseo power supply						
Phaseo regulated switch mode power supply ABL 8 Rail mounting	Input voltage: 100…120 V/200…500 V ∿ *(1)* Output voltage: 24 V ⎓ Power: 120 W	All models	–		**ABL8RPS24050** *(2) (3)*	–
Phaseo regulated switch mode power supply ABL 4 Rail mounting	Input voltage: 100…230 V ∿ *(1)* Output voltage: 24 V ⎓ Power: 120 W	All models	–		**ABL4RSM24050** *(2) (3)*	–

(1) Single-phase connection. Phase-to-phase connection possible on certain American line supplies, please contact our Customer Care Center.
(2) If adding a PCI card, you need to select a Phaseo power supply with a power rating suitable for the extra consumption. Please refer to the "Phaseo power supply and transformer" catalog on our website www.schneider-electric.com.
(3) To order this reference, please contact our Customer Care Center.

Industrial PCs
Magelis™ *i*PCs certified for automation
Configured Magelis™ Panel PC

Configured Magelis Panel PC industrial PC

With the "configured *i*PC" service, Schneider Electric offers a vast number of configuration combinations for Magelis *i*PCs.

This service, available exclusively from our Customer Care Center, allows users to configure a certified product suitable for specific automation applications and environments, based on Magelis Panel PCs.

Our Customer Care Center draws up:
- The complete parts list for the configured Magelis Panel PC
- Its selling price
- The complete reference (root + code which varies according to the configuration)
- A purchase order

Ordering procedure for a configured Magelis Panel PC

1 Please contact our Customer Care Center.
2 State the reference root; this root will be completed with the variable part of the reference, once configuration is complete. The root varies depending on which Magelis Panel PC base is selected:
   - **HMIPCCW** corresponds to a configured Magelis Optimum Panel PC base, with an aluminium front panel
   - **HMIPCCV** corresponds to a configured Magelis Optimum Panel PC base, with a stainless steel front panel
   - **HMIPCCP** corresponds to a configured Magelis Universal or Performance Panel PC base, with an aluminium front panel
   - **HMIPCCT** corresponds to a configured Magelis Universal or Performance Panel PC base, with a stainless steel front panel
3 Configure your Magelis Panel PC (see table below).
4 Confirm your order.

References

Description		Magelis Panel PC base	Reference	Weight kg/*lb*
Configured Magelis Panel PC The configuration should be made up from the components below. *(1)*	Reference root to be stated to our Customer Care Center.	Optimum, aluminium front panel bezel	**HMIPCCW** *(2)*	–
		Optimum, stainless steel front panel bezel (15" screen only)	**HMIPCCV** *(2)*	–
		Universal and Performance, aluminium front panel bezel	**HMIPCCP** *(2)*	–
		Universal and Performance, stainless steel front panel bezel (15" screen only)	**HMIPCCT** *(2)*	–

Description	Available on Magelis Panel PC base			Reference	Weight kg/*lb*
	Optimum **Processor Intel® ATOM™ Z510 (1.1 GHz) DDR2 RAM 24 V ⎓ power supply**	**Universal** **Processor Intel® ATOM™ N270 or iCore 827E DDR2 or DDR3 RAM 24 V ⎓ or 100…240 V ∿ power supply**	**Performance** **Processor Intel® Core™ 2 Duo P8400 or i3 iCore DDR3 RAM 24 V ⎓ or 100…240 V ∿ power supply**		
LCD TFT LED touch screen 16 million colors	10.4" or 15"	12", 15" or 19"		*(2)*	–
RAM	2 GB max. (DDR2)	3 GB max. for 15" and 19" 16 GB max. for 12"	8 GB max. for 15" and 19" 16 GB max. for 12"		
Peripheral storage devices	Compact Flash card 8 GB max. or CFast card 16 GB max. (SLC technology)				
	–	Up to 2 Flash disks SSD ≥ 60 GB			
	–	Up to 2 Hard disks ≥ 500 GB (enterprise 24/7)			
Other peripheral device	–	DVD-RW drive			
PCI slot configuration	–	No PCI slot			
		1 PCI + 1 PCI Express® for 12" only			
		1 PCI + 1 PCI Express® or 2 PCI			
Operating systems	Windows® Embedded Standard 2009				
	–	Windows® Embedded Standard 7 32-bit			
		Windows® XP PRO SP3			
		Windows® 7 Ultimate 32-bit			
		Windows® 7 Ultimate 64-bit			
Software	Vijeo Designer Run Time				
	–	Vijeo Citect			
Assembled options	–	RAID with 2 redundant Hard disks			
	–	Interface module for backup power supply *(4)*			
	–	SRAM interface for 12" (default on others)			
		Additional RS232C/RS422/RS485 serial link interface			
	1 or 2 Ethernet ports	2 Ethernet ports			

1) Please contact our Customer Care Center.
(2) The reference of configured Magelis Panel PC industrial PCs is made up of a root (HMIPCCW, HMIPCCV, HMIPCCP or HMIPCCT) followed by a variable part generated during configuration.
(3) Required to connect backup power supply kits ***HMIYUPSKT●1*** *(see page 2/26).*

Industrial PCs
Magelis™ *i*PCs certified for automation
Equivalent product table

Old PC Panels		Replaced by Magelis Panel PC		Compatibility	
Description	**References**	**Description**	**References**	**Cut-out for flush mounting**	**Screen definition**
Magelis Smart (with Compact Flash card)		**Magelis Panel PC** (Optimum or Universal range)			
Magelis Smart 8.4" screen, 24 V ⎓	**MPCST11NDJ00T**	Magelis Optimum Panel PC 10" screen, 24 V ⎓	**HMIPWC5D0E01**		
Magelis Smart 8.4" screen, 100…240 V ∿	**MPCST11NAJ00T**	Magelis Optimum Panel PC 10" screen, 24 V ⎓	**HMIPWC5D0E01 + Phaseo power supply** *(1)*		
Magelis Smart 12" screen, 24 V ⎓	**MPCST21NDJ20T**	Magelis Universal Panel PC 12" screen, 24 V ⎓	**HMIPUC6D0E01**		
		Magelis Optimum Panel PC 15" screen, 24 V ⎓, ATEX	**HMIPVC7D0E01**		
Magelis Smart 12" screen, 240 V ∿	**MPCST21NAJ20T**	Magelis Universal Panel PC 12" screen, 240 V ∿	**HMIPUC6A0E01**		
Magelis Smart 15" screen, 24 V ⎓	**HMIPSC7DE03** **MPCST52NDJ20T**	Magelis Optimum Panel PC 15" screen, 24 V ⎓	**HMIPWC7D0E01**		
		Magelis Optimum Panel PC 15" screen, 24 V ⎓, ATEX	**HMIPVC7D0E01**		
			HMIPCCT *(3)*		
		Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMIPUC7D0E01**		
Magelis Smart 15" screen, 100…240 V ∿	**HMIPSC7AE03** **MPCST52NAJ20T** **MPCST52NAJ20H**	Magelis Optimum Panel PC 15" screen, 24 V ⎓	**HMIPWC7D0E01 + Phaseo power supply** *(1)*		
		Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMIPUC7D0E01 + Phaseo power supply** *(1)*		
Magelis Smart+ (with Flash disk)		**Magelis Panel PC** (Universal range)			
Magelis Smart+ 15" screen, 24 V ⎓	**HMIPSF7DP03**	Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMIPUF7D0P01**		
		Magelis Universal Panel PC 15" screen, 24 V ⎓, ATEX	**HMIPTF7D2P01**		
Magelis Smart+ 15" screen, 100…240 V ∿	**HMIPSF7AP03**	Magelis Universal Panel PC 15" screen, 100…240 V ∿	**HMIPUF7A0P01**		
		Magelis Universal Panel PC 15" screen, 100…240 V ∿, ATEX	**HMIPCCT** *(3)*		
Magelis Smart+ 15" screen, 100…240 V ∿ Vijeo Citect Lite 1200 I/O	**HMIPSF7APL3** *(2)*	Magelis Universal Panel PC 15" screen, 24 V ⎓ Vijeo Citect Lite 1200 I/O	**HMIPUF7D0PL1** *(2)*		
		Magelis Universal Panel PC 15" screen, 100…240 V ∿, ATEX	**HMIPCCT** *(3)*		
Magelis Smart+ 15" screen, 100…240 V ∿ Vijeo Citect Full 500 I/O	**HMIPSF7APF3**	Magelis Universal Panel PC 15" screen, 100…240 V ∿ Vijeo Citect Full 500 I/O	**HMIPUF7A2PF1**		
		Magelis Universal Panel PC 15" screen, 100…240 V ∿, ATEX	**HMIPCCT** *(3)*		
Magelis Compact *i*PC - General Purpose (with Hard disk)		**Magelis Panel PC** (Universal range)			
Magelis Compact iPC - General Purpose - 12" screen, 240 V ∿	**MPCKT22NAX20N**	Magelis Universal Panel PC 12" screen, 240 V ⎓	**HMIPUH6A0701** *(4)*		
Magelis Compact *i*PC - General Purpose 15" screen, 24 V ⎓	**MPCKT55NDX20N**	Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMIPUH7D2P01**		
		Magelis Universal Panel PC 15" screen, 24 V ⎓, ATEX	**HMIPTH7D2P01**		
Magelis Compact *i*PC General Purpose - 15" screen, 100…240 V ∿	**MPCKT55NAX20N**	Magelis Universal Panel PC 15" screen, 100…240 V ∿	**HMIPUH7A2P01**		
Magelis Compact *i*PC - Heavy Duty (with Flash disk)		**Magelis Panel PC** (Universal range)			
Magelis Compact iPC - Heavy Duty - 12" screen, 240 V ∿	**MPCKT22MAX20N**	Magelis Universal Panel PC 12" screen, 240 V ⎓	**HMIPUF6A0701** *(4)*		
Magelis Compact *i*PC - Heavy Duty 15" screen, 100…240 V ∿	**MPCKT55MAX20N**	Magelis Universal Panel PC 15" screen, 100…240 V ∿	**HMIPUF7A2P01**		

Cut-out or screen definition	Identical
	Different

(1) ***ABL8RPS24050*** *or* ***ABL4RSM24050*** *Phaseo power supply (see page 2/26).*
(2) Correspondence between different power supplies: 100…240 V ∿/24 V ⎓ .
(3) Made-to-order configuration (see page 2/27).
(4) if necessary, add module ***HMIYPCI161*** *with 1 PCI slot (see page 2/26).*

Magelis *i*PC selection guide: page 1/4 | Magelis *i*PC presentation: page 1/2 | Magelis Panel PC: pages 2/4 and 2/18 | Magelis BOX PC: page 3/4

Industrial PCs
Magelis™ iPCs certified for automation
Equivalent product table

Old PC Panels		Replaced by Magelis Panel PC		Compatibility	
Description	**References**	**Description**	**References**	**Cut-out for flush mounting**	**Screen definition**
Magelis Compact iPC - Heavy Duty (with Flash disk) (continued)		**Magelis Panel PC** (Universal range) (continued)			
Magelis Compact iPC - Heavy Duty 15" screen, 100…240 V ∿ Vijeo Citect Lite 1200 I/O	**MPCKT55MAX20L**	Magelis Universal Panel PC 15" screen, 100…240 V ∿ Vijeo Citect Full 500 I/O	**HMIPUF7A2PF1**		
		Configured Magelis Panel PC Universal Panel PC base with: ■ 15" screen, 100…240 V ∿ ■ Vijeo Citect Lite 1200 I/O	**HMIPCCP** *(5)*		
Magelis Compact iPC - Heavy Duty 15" screen, 100…240 V ∿ Vijeo Citect Full 500 I/O	**MPCKT55MAX20V**	Magelis Universal Panel PC 15" screen, 100…240 V ∿ Vijeo Citect Full 500 I/O	**HMIPUF7A2PF1**		

Old Front Panels + Flex PC BOX		Replaced by Magelis iPC		Compatibility	
Description	**References**	**Description**	**References** *(1)*	**Cut-out for flush mounting**	**Screen definition**
Front Panels + Magelis Flex PC BOX		**Magelis Panel PC or Magelis iDisplay + Magelis BOX PC**			
Front Panel with 12" touch screen and keypad + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPCYB20NNN00N** + **MPCF/H●●●●●●●●●**	Magelis Optimum/Universal/ Performance Panel PC 15" touch screen, 24 V ⎓ or 100…240 V ∿	**HMIP●●7●●●●●** *(3)*		
		Magelis iDisplay with 15" screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPCYT50NAN00N** *(3)* + **HMIB●●●●●●●●** *(4)*		
		Magelis iDisplay with 15" screen, 24 V ⎓ + Magelis Universal/Performance BOX PC, 24 V ⎓	**HMIDID7DT0** *(3)* + **HMIB●●●●●●●●** *(4)*		
		Magelis iDisplay with 15" screen and keypad, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPCNB50NAN00N** + **HMIB●●●●●●●●** *(4)*		
Front Panel with 15" touch screen + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPCYT50NNN00N** + **MPCF/H●●●●●●●●●**	Magelis Optimum/Universal/ Performance Panel PC 15" touch screen, 24 V ⎓ or 100…240 V ∿	**HMIP●●7●●●●●**		
		Magelis iDisplay with 15" screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPCYT50NAN00N** + **HMIB●●●●●●●●** *(4)*		
		Magelis iDisplay with 15" screen, 24 V ⎓ + Magelis Universal/Performance BOX PC, 24 V ⎓	**HMIDID7DT0** + **HMIB●●●●●●●●** *(4)*		
Front Panel with 15" touch screen and keypad + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPCYB50NNN00N** + **MPCF/H●●●●●●●●●**	Magelis iDisplay with 15" screen and keypad, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPCNB50NAN00N** + **HMIB●●●●●●●●** *(4)*		
Front Panel with 19" touch screen + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPCYT90NNN00N** + **MPCF/H●●●●●●●●●**	Magelis Universal/Performance Panel PC 19" touch screen, 24 V ⎓ or 100…240 V ∿	**HMIP●●9●●●●●**		
		Magelis iDisplay with 19" screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPCYT90NAN00N** + **HMIB●●●●●●●●** *(4)*		

Cut-out or screen definition	Identical
	Different

(1) Complete references: Magelis Panel, see pages 2/5, 2/22 or 2/24 / Magelis iDisplay / Magelis BOX PC, refer to our website www.schneider-electric.com.
(2) Power provided by the Magelis Flex PC BOX CPU; the type of power supply depends on the CPU model.
(3) Correspondence between different screen functions: touch screen + keypad/touch screen.
(4) Correspondence between possibly different power supplies: 100…240 V ∿/24 V ⎓.
(5) Made-to-order configuration (see page 2/27).

Magelis BOX PC

Magelis™ Box PC - Universal and Performance ranges

Selection guide . . . . . *page 3/2*

■ **Presentation**

□ Overview of the range
- Universal Magelis BOX PC range ..... *page 3/4*
- Performance Magelis BOX PC range ..... *page 3/4*
- Made-to-order Magelis BOX PC range ..... *page 3/5*

□ USB accessories for HMI terminals ..... *page 3/5*

■ **Description**

□ Universal Magelis BOX PC CPUs, 1 PCI slot ..... *page 3/6*

□ Universal and Performance Magelis BOX PC CPUs, 2 PCI slots ..... *page 3/6*

□ Performance Magelis BOX PC CPUs, 5 PCI slots ..... *page 3/7*

■ **Reference**

□ Universal Magelis BOX PC, 1 or 2 PCI slots ..... *page 3/8*

□ Performance Magelis BOX PC, 2 or 5 PCI slots ..... *page 3/8*

□ Separate components ..... *page 3/9*

□ Configured Magelis BOX PC industrial PC ..... *page 3/10*

■ **Substitution** ..... *page 3/11*

3

Industrial PCs

Magelis™ iPCs certified for automation
Magelis™ BOX PC
Universal and Performance ranges

Type		Universal range - 1 PCI slot		
Industrial environments		Maintenance-free		Standard
Fanless		★★★★★	★★★★★	★★★★★
Non-rotative storage drive		★★★★★	★★★★★	–
CPU *(1)*	Processor	Intel® ATOM™ N270 (1.6 GHz)		
	PCI slot	1 PCI		
	Storage	Compact Flash card ≥ 4 GB (SLC technology)	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
	RAM *(2)*	1 GB	HMIBUFND1PF1: 2 GB HMIBUFND1P01: 1 GB	1 GB
	Integrated DVD-RW drive	–		
	Slide-in rack for peripheral device	1x slide-in compact rack for storage disk	1 x slide-in compact rack for storage disk (Flash disk or Hard disk included)	
	Integrated ports	2x Ethernet 10/100/1000 Mbps		
		1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top		
		2x RS232C		
		1x DVI (VGA RGB adaptor, optional)		
	Optional ports	1x RS232C/RS422/RS485		
	Optional RAID PCI card	HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)		
Operating system		Windows® Embedded Standard 2009	Windows® XP Professional SP3	
Supply voltage	Voltage	24 V ⎓ (± 25 %) *(4)*		
	Current (excluding PCI card)	Nominal current 6 A. Typical inrush current 7 A, 50 A < 300 µs		
Mounting		Vertical, at the back of the enclosure (“book” format) or flat (requiring fan kit HMIYBFKT11)		
Overall dimensions (W x H x D in mm)		82 x 270 x 251		
Temperature	during operation	Conforming to IEC 61132-2, UL 508: 0…50 °C (mounted vertically) or 0…45 °C (mounted flat)		
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(5)*		0.125 g from 5...100 Hz
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(5)*		0.250 g from 5...100 Hz
	Merchant navy IACS E10	1 mm amplitude from 5…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance		–
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea		
Standards and certifications		CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), ATEX II 3 Dust zone 22, C-Tick, GOST		
Marine certification	Germanischer Lloyd (Bridge Class)	With additional power supply filter HMIYLFIMAR11		–
Compatible screens		Complete range of Magelis iDisplay screens (refer to our website www.schneider-electric.com)		
Software	Vijeo Designer Run Time Demo	Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC)		
References	Vijeo Designer Run Time Demo Vijeo Citect Full 500 I/O	–	HMIBUFND1PF1	–
	Vijeo Designer Run Time Demo	HMIBUCND1E01	HMIBUFND1P01	HMIBUHND1P01
Pages		3/8		
Made-to-order configuration		See configured Magelis BOX PC on page 3/10		

(1) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).
(2) For other available options (interface for backup battery, etc.) in made-to-order configuration, see pages 3/9 and 3/10.

Universal range - 2 PCI slots		Performance range - 2 PCI slots		Performance range - 5 PCI slots	
Maintenance-free	Standard	Harsh	Standard	Harsh	Standard
★★★★★	★★★★★	–	–	–	–
★★★★★	–	★★★★★	–	★★★★★	–
Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset			
2 (1 PCI + 1 PCI Express®)				5 (2 PCI + 3 PCI Express®)	
Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB	Flash disk SSD ≥ 60 GB	Hard disk enterprise 24/7 ≥ 500 GB
HMIBUFND2PF1: 2 GB HMIBUFND2P01: 1 GB	1 GB	HMIBPFDD27F1: 4 GB HMIBPFDD2701: 2 GB	2 GB	HMIBPFDD57F1: 4 GB HMIBPFDD5701: 2 GB	2 GB
1					
1x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)				1 x slide-in compact rack for storage disk (Flash disk or Hard disk included) 1 x slide-in rack for DVD-RW drive (supplied) 1 x slide-in rack for storage disk via adaptor (optional)	
2x Ethernet 10/100/1000 Mbps					
1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top					
2x RS232C					
1x DVI (VGA RGB adaptor, optional)					
1x RS232C/RS422/RS485, 1x DVI					
HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)					
Windows® XP Professional SP3		Windows® 7 Ultimate 64-bit			
24 V ⎓ (± 25 %) *(4)*					
Nominal current 6 A. Typical inrush current 7 A, 50 A < 300 µs					
Vertical, at the back of the enclosure (“book” format) or flat (requiring fan kit HMIYBFKT21, for BOX PC HMIBU●ND2P●1)					
121 x 270 x 251		136 x 270 x 251		217 x 270 x 251	
Conforming to IEC 61132-2, UL 508: 0…50 °C (mounted vertically) or 0…45 °C (mounted flat)					
1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(5)*	0.125 g from 5...100 Hz	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(5)*	0.125 g from 5...100 Hz	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(5)*	0.125 g from 5...100 Hz
3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(5)*	0.250 g from 5...100 Hz	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(5)*	0.250 g from 5...100 Hz	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(5)*	0.250 g from 5...100 Hz
1 mm from 5…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance	–				
15 g/11 ms conforming to IEC 60068-2-27 test Ea					
CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), ATEX II 3 Dust zone 22, C-Tick, GOST					
With additional power supply filter HMIYLFIMAR11	–				
Complete range of Magelis iDisplay screens (refer to www.schneider-electric.com)					
Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC)					
HMIBUFND2PF1	–	HMIBPFDD27F1	–	HMIBPFDD57F1	–
HMIBUFND2P01	HMIBUHND2P01	HMIBPFDD2701	HMIBPHDD2701	HMIBPFDD5701	HMIBPHDD5701
3/8					
See configured Magelis BOX PC on page 3/10					

(4) For an ∿ supply voltage, an external Phaseo power supply can be used (see page 3/9).
(5) Conforming to IEC 60068-2-6 Fc.

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ BOX PC
Universal and Performance ranges

PF110300

Universal BOX PC
1 PCI

PF110301

Universal BOX PC/Performance BOX PC
1 PCI + 1 PCI Express®

PF110302

Performance BOX PC
2 PCI + 3 PCI Express®

Presentation

The Magelis BOX PC industrial PC offer includes products that are rugged and certified for automation applications.
With its Universal (1 or 2 PCI slots) and Performance (2 or 5 PCI slots) ranges, this Magelis BOX PC offer is suitable for all types of use that do not require an integrated screen:

- In a maintenance-free environment: Fanless Magelis BOX PC (unaffected by dust, no filters to clean, etc.) and without any rotating parts such as a Hard disk. Data storage on Compact Flash card or on Flash disk offers good resistance to vibration and long life.
- In a harsh environment: Magelis BOX PC without Hard disk
- In a standard environment: Magelis BOX PC with Hard disk

In addition to the referenced offer, the flexibility offered by the modular design allows made-to-order configuration of the Magelis BOX PC (see page 3/10).

This offer is compatible with Magelis *i*Display screens (refer to our website www.schneider-electric.com).

Overview of the range

Universal Magelis BOX PC range *(1) (2)*

The Universal BOX PC range is equipped with the fanless Intel® ATOM™ N270 processor (1.6 GHz) and DDR2 RAM *(3)*.
It is specifically for the following environments:

- "Maintenance-free" (fanless, with solid-state storage disk):
  - **HMIBUCND1E01**:
    - 1 PCI slot/Compact Flash card/Windows® Embedded Standard 2009, etc.
  - **HMIBUFND1P01** and **HMIBUFND1PF1**:
    - 1 PCI slot, Flash disk SSD, Windows® XP Professional SP3, etc.
  - **HMIBUFND2P01** and **HMIBUFND2PF1**:
    - 1 PCI + 1 PCI Express® slot/Flash disk SSD/Windows® XP Professional SP3, etc.
- Standard industrial environments (with Hard disk):
  - **HMIBUHND1P01**:
    - 1 PCI slot/Hard disk/Windows® XP Professional SP3, etc.
  - **HMIBUHND2P01**:
    - 1 PCI + 1 PCI Express® slot/Hard disk/Windows® XP Professional SP3, etc.

Performance Magelis BOX PC range *(1) (2)*

The Performance BOX PC range is equipped with the Intel® Core™ 2 Duo P8400 processor (2.26 GHz) + Intel® GM45 chipset and DDR3 RAM *(3)*.
It is specifically for the following environments:

- Harsh industrial environments (with solid-state storage disk):
  - **HMIBPFDD2701** and **HMIBPFDD27F1**:
    - 1 PCI + 1 PCI Express® / Flash disk SSD/Windows® 7 Ultimate 64-bit, etc.
  - **HMIBPFDD5701** and **HMIBPFDD57F1**:
    - 2 PCI + 3 PCI Express® / Flash disk SSD/Windows® 7 Ultimate 64-bit, etc.
- Standard industrial environments (with Hard disk):
  - **HMIBPHDD2701**:
    - 1 PCI + 1 PCI Express® / Hard disk/Windows® 7 Ultimate 64-bit, etc.
  - **HMIBPHDD5701**:
    - 2 PCI + 3 PCI Express® / Hard disk/Windows® 7 Ultimate 64-bit, etc.

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® (1x for Magelis BOX PC 1 or 5 slots, 4x for Magelis BOX PC 2 slots).
(2) For description, see pages 3/6 and 3/7.
(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).

Magelis PC selection guide: page 1/4
Magelis PC presentation: page 1/2
Separate components: page 3/9
Equivalent product table: page 3/11

Presentation (continued)

Overview of the range (continued)

Made-to-order Magelis BOX PC range *(1)*

On Universal and Performance Magelis BOX PC bases, it is possible to customize the CPU by selecting:

- The capacity of the Compact Flash card and the RAM
- The number of PCI and PCI Express® slots
- The operating system and dedicated HMI software
- Additional assembled options: PCI RAID card with 2 redundant Hard disks *(2)*, battery-backed power supply interface module, etc.

For more information on HMIPCCB1 offer, see page 3/10.

USB accessories for HMI terminals

The Magelis™ USB accessories are designed to expand selection range of user applications by offering value-added/differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals *(3)*.

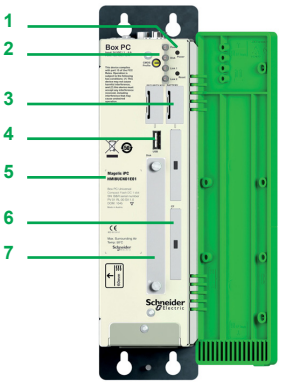
The Magelis USB accessories supported by Magelis BOX PC include:

- Harmony XB5S biometric USB switch
- Magelis HMIZ illuminated USB switch

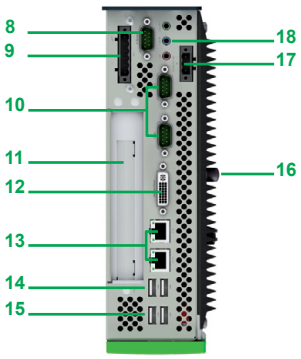
For more information on HMI USB accessories, please refer to our website www.schneider-electric.com.

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® (1x for Magelis BOX PC 1 or 5 slots, 4x for Magelis BOX PC 2 slots).
(2) Operating temperature details available on our website www.schneider-electric.com.
(3) Requires Vijeo Designer software running on the Magelis Box PC.

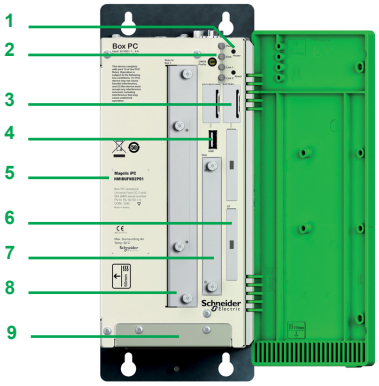
Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ BOX PC
Universal and Performance ranges



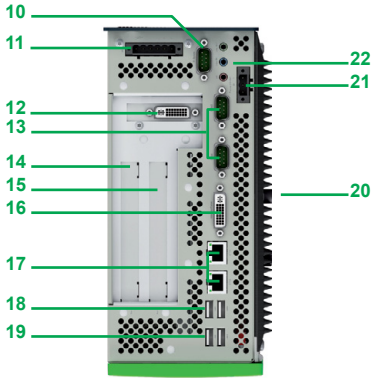
Front panel of Magelis BOX PC, door open
1 PCI slot



Top panel of Magelis BOX PC
1 PCI slot



Front panel of Magelis BOX PC, door open
2 PCI slots



Top panel of Magelis BOX PC
2 PCI slots

Description

Universal Magelis BOX PC CPUs, 1 PCI slot

Front panel, door open

1 2 pushbuttons: 1 for power supply and 1 for resetting
2 4 status and power supply LEDs, also visible with the front panel door closed
3 Battery
4 USB 2.0 port (1 A max.)
5 Identification (reference, serial number, etc.)
6 Slot for Compact Flash card:
- □ With Compact Flash (SLC technology) ≥ 4 GB (BOX PC **HMIBUCND1E01**)
- □ Free slot (BOX PC **HMIBUFND1P●1,** BOX PC **HMIBUHND1P01**)

7 Slide-in compact rack:
- □ Free slot (BOX PC **HMIBUCND1E01**)
- □ With Flash disk SSD ≥ 60 GB (BOX PC **HMIBUFND1P●1**)
- □ With Hard disk enterprise 24/7 ≥ 500 GB (BOX PC **HMIBUHND1P01**)

Top panel

8 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) *(1)*
9 Free slot for battery-backed power supply interface module *(2)*
10 2 RS232C ports
11 Half-format PCI 2.2 slot
12 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(1)*
13 2 Ethernet 10/100/1000 Mbps ports
14 2 USB 2.0 ports (0.5 A max.)
15 2 USB 2.0 ports (1 A max.)
16 Heat sink *(3)*
17 Connector for the CPU 24 V ⎓/6 A power supply *(4)*
18 Micro input, line input/line output

Universal and Performance Magelis BOX PC CPUs, 2 PCI slots

Front panel, door open

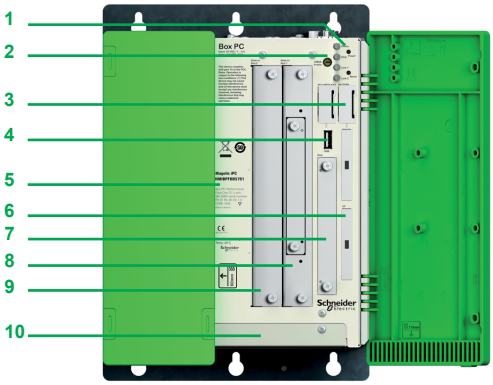
1 2 pushbuttons: 1 for the power supply and 1 for resetting
2 4 status and power supply LEDs, also visible with the front panel door closed
3 Battery
4 USB 2.0 port (1 A max.)
5 Identification (reference, serial number, etc.)
6 Free slot for Compact Flash card
7 Slide-in compact rack:
- □ With Flash disk SSD ≥ 60 GB (BOX PC **HMIB●F●D2●●1**)
- □ With Hard disk enterprise 24/7 ≥ 500 GB (BOX PC **HMIB●H●D2●01**)

8 Slide-in rack with the DVD-RW drive included *(5)*. Can be used for an additional storage disk with adaptor (**HMIYADSLIDEIN11**) *(1)*
9 Access to the fan filters *(7)* (BOX PC **HMIBP●DD●7●1**)

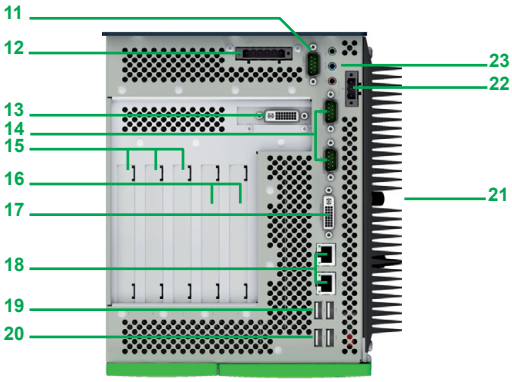
Top panel

10 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) *(1)*
11 Free slot for battery-backed power supply interface module *(2)*
12 Free slot for additional DVI interface (**HMIYINDVIRGB11**) *(1)*
13 2 RS232C ports
14 Half-format PCI Express® 4x slot
15 Half-format PCI 2.2 slot
16 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(1)*
17 2 Ethernet 10/100/1000 Mbps ports
18 2 USB 2.0 ports (0.5 A max.)
19 2 USB 2.0 ports (1 A max.)
20 Heat sink (3)
21 Connector for the CPU 24 V ⎓/6 A power supply *(4)*
22 Micro input, line input/line output

(1) To be ordered separately (see page 3/9).
(2) To be ordered separately in made-to-order configuration (see page 3/10).
(3) For installation, please refer to the "product data sheet" on our website www.schneider-electric.com.
(4) Consumption excluding additional PCI card. For an ∿ supply voltage, an external Phaseo power supply can be used (see page 3/9).
(5) Operating temperature details available on our website www.schneider-electric.com.
(6) Fans can be replaced by the user using the BOX PC fan kit (to be ordered separately, see page 3/9).



Front panel of Magelis BOX PC, door open
5 PCI slots



Top panel of Magelis BOX PC
5 PCI slots

Description (continued)

Performance Magelis BOX PC CPUs, 5 PCI slots

Front panel, door open

1 2 pushbuttons: 1 for power supply and 1 for resetting
2 4 status and power supply LEDs, also visible with the front panel door closed
3 Battery
4 USB 2.0 port (1 A max.)
5 Identification (reference, serial number, etc.)
6 Free slot for Compact Flash card
7 Slide-in compact rack:
- □ With Flash disk SSD ≥ 60 GB (BOX PC **HMIBPFDD57●1**)
- □ With Hard disk enterprise 24/7 ≥ 500 GB (BOX PC **HMIBPHDD5701**)

8 Slide-in rack with the DVD-RW drive included *(1)*
9 Slide-in rack for additional storage disk with adaptor (**HMIYADSLIDEIN11**) *(2)*
10 Access to the fan filters *(3)*

Top panel

11 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) *(2)*
12 Free slot for battery-backed power supply interface module *(4)*
13 Free slot for additional DVI interface (**HMIYINDVIRGB11**) *(2)*
14 2 RS232C ports
15 3 half-format PCI Express® 1x slots
16 2 half-format PCI 2.2 slots
17 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) *(1)*
18 2 Ethernet 10/100/1000 Mbps ports
19 2 USB 2.0 ports (0.5 A max.)
20 2 USB 2.0 ports (1 A max.)
21 Heat sink (5)
22 Connector for the CPU 24 V ⎓/6 A power supply *(6)*
23 Micro input, line input/line output

(1) Operating temperature details available on our website www.schneider-electric.com.
(2) To be ordered separately (see page 3/9).
(3) Fans can be replaced by the user using the BOX PC fan kit (to be ordered separately, see page 3/9).
(4) To be ordered separately in made-to-order configuration (see page 3/10).
(5) Refer to the installation precautions available on our website www.schneider-electric.com.
(6) Consumption excluding additional PCI card. For an ∿ supply voltage, an external Phaseo power supply can be used (see page 3/9).

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ BOX PC
Universal and Performance ranges

PF110300

HMIBU●ND1●●1

Universal Magelis BOX PC, 1 or 2 PCI slots
(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM/24 V ⎓ supply voltage) *(1)*

PCI slot	Operating system	Software	Storage disk	DDR2 RAM *(4)*	Reference	Weight kg/*lb*
For maintenance-free environment						
1 PCI	Windows® Embedded Standard 2009 *(2)*	Vijeo Designer RT Demo *(3)*	Compact Flash ≥ 4 GB (SLC technology)	1 GB	**HMIBUCND1E01**	4.000/ *8.818*
	Windows® XP Professional SP3	Vijeo Designer RT Demo *(3)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIBUFND1P01**	4.000/ *8.818*
		Vijeo Designer RT Demo *(3)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIBUFND1PF1**	4.000/ *8.818*
1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(3)*	Flash disk SSD ≥ 60 GB	1 GB	**HMIBUFND2P01**	5.000/ *11.023*
		Vijeo Designer RT Demo *(3)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	2 GB	**HMIBUFND2PF1**	5.000/ *11.023*
For standard industrial environment						
1 PCI	Windows® XP Professional SP3	Vijeo Designer RT Demo *(3)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIBUHND1P01**	4.000/ *8.818*
1 PCI + 1 PCI Express®	Windows® XP Professional SP3	Vijeo Designer RT Demo *(3)*	Hard disk enterprise 24/7 ≥ 500 GB	1 GB	**HMIBUHND2P01**	5.000/ *11.023*

PF110301

HMIBU●ND2P●1
HMIBP●DD27●1

Performance Magelis BOX PC, 2 or 5 PCI slots
(Intel® Core™ 2 Duo P8400 processor (2.26 GHz) / DDR3 RAM / 24 V ⎓ supply voltage) *(1)*

PCI slot	Operating system	Software	Storage disk	DDR3 RAM *(4)*	Reference	Weight kg/*lb*
For standard industrial environment						
1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(3)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIBPHDD2701**	6.000/ *13.227*
2 PCI + 3 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(3)*	Hard disk enterprise 24/7 ≥ 500 GB	2 GB	**HMIBPHDD5701**	7.000 / *15.432*
For harsh industrial environment						
1 PCI + 1 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(3)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIBPFDD2701**	6.000/ *13.227*
		Vijeo Designer RT Demo *(3)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIBPFDD27F1**	6.000/ *13.227*
2 PCI + 3 PCI Express®	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(3)*	Flash disk SSD ≥ 60 GB	2 GB	**HMIBPFDD5701**	7.000/ *15.432*
		Vijeo Designer RT Demo *(3)* Vijeo Citect Full 500 I/O	Flash disk SSD ≥ 60 GB	4 GB	**HMIBPFDD57F1**	7.000/ *15.432*

PF110302

HMIBP●DD57●1

(1) For an ∿ supply voltage, an external Phaseo power supply can be used (see page 3/9).
(2) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- *Acrobat Reader, Word/Excel/Power Point Viewer*
- *Framework.Net 3.5*
- *Web browser*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (3)*

*(3) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 3/9).*
(4) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).

Magelis *i*PC selection guide: page 1/4 | Magelis *i*PC presentation: page 1/2 | Separate components: page 3/9 | Equivalent product table: page 3/11

Industrial PCs
Magelis™ *i*PCs certified for automation
Magelis™ BOX PC
Separate components

Separate components

Description	Details	Compatible with Magelis BOX PC ranges: Universal	Performance	Reference	Weight kg/*lb*
Storage disks, peripheral equipment, kits					
Hard disk	500 GB, blank	All models		**HMIYHDD050011**	–
Flash disk SSD	60 GB, blank	All models		**HMIYSDD006011**	–
Compact Flash card (SLC technology)	2 GB, blank	All models		**HMIYCFS0211**	–
	4 GB, blank	All models		**HMIYCFS0411**	–
	8 GB, blank	All models		**HMIYCFS0811**	–
DVD-RW drive for slide-in rack *(1)*	CD-RW and DVD-RW reader/writer	BOX PC, 2 PCI and 5 PCI slots		**HMIYDRDVDRW11**	–
Slide-in adaptor for storage disk *(7)*	Used to insert a Hard disk or an SSD Flash disk in a slide-in rack	BOX PC, 2 PCI and 5 PCI slots		**HMIYADSLIDEIN11**	–
Additional DVI interface	Provides a second DVI interface	BOX PC, 2 PCI and 5 PCI slots		**HMIYINDVIRGB11**	–
DVI/VGA RGB adaptor	For connecting an RGB screen to the integrated DVI port	All models		**HMIYADDVIRGB11**	–
RAID PCI card with 2 redundant Hard disks *(1)*	PCI card equipped with two redundant Hard disks enterprise 24/7 ⩾ 500 GB	All models		**HMIYRAIDPCI11**	–
Hard disk for RAID PCI card	Replacement Hard disk for RAID PCI card HMIYRAIDPCI11	BOX PC + RAID PCI card HMIYRAIDPCI11		**HMIYRAIDD050011**	–
Additional serial link interface	RS232C/RS422/RS485 serial link	All models		**HMIYBINSL11**	–
Backup power supply kit	Provides an uninterruptible power supply. Includes: ■ 1 backup battery ■ 1 x 3 m cordset	Magelis BOX PC configured with battery-backed power supply interface module *(2)*		**HMIYUPSKT11**	–
Power supply filter for marine certification	Necessary for compliance with marine certification.	BOX PC: HMIBUCND1E01 and HMIBUFND●P●1	–	**HMIYLFIMAR11**	–
Maintenance kit for BOX PC	Includes: ■ 1 x 3-way removable connector for 24 V ⎓ power supply ■ 15 replacement filters for fan, including: □ 5 for Magelis BOX PC - 1 PCI □ 5 for Magelis BOX PC - 2 PCI □ 5 for Magelis BOX PC - 5 PCI	All models		**HMIYBMKT11**	–
Fan kit for BOX PC	Enables: ■ Replacement of fans by the user ■ Flat mounting of fanless Magelis BOX PC *(3)*	BOX PC, 1 PCI		**HMIYBFKT11**	–
		BOX PC, 2 PCI		**HMIYBFKT21**	–
		BOX PC, 5 PCI		**HMIYBFKT51**	–
Software					
Vijeo Designer Run Time license for 1 workstation	Converts the 21-day trial version of Vijeo Designer Run Time Demo to an unlimited license.	All models		**VJDSNRTMPC**	–
Intelligent Data Service license extension for Vijeo Designer Run Time for 1 workstation	Used to track the process variables and all operator actions, and offers visibility of the key process values	All models (requires storage capacity ⩾ 4 GB)		**VJDSNTRCKV60M**	–
External Phaseo power supply					
Phaseo regulated switch mode power supply ABL 8 Rail mounting	Input voltage: 100…120 V/200…500 V∿ *(4)* Output voltage: 24 V ⎓ Power: 120 W	All models		**ABL8RPS24050** *(5) (6)*	0.700/ *1.543*
Phaseo regulated switch mode power supply ABL 4 Rail mounting	Input voltage: 100…230 V ∿ *(4)* Output voltage: 24 V ⎓ Power: 120 W	All models		**ABL4RSM24050** *(5) (6)*	0.500/ *1.102*

(1) Operating temperature details available on our website www.schneider-electric.com.
(2) For configured Magelis BOX PC see page 3/10.
(3) Operating temperature for flat mounting: 0…45 °C (see pages 3/2 and 3/3).
(4) Single-phase connection. Phase-to-phase connection possible on certain American line supplies, please contact our Customer Care Center.
(5) If adding a PCI card, you need to select a Phaseo power supply with a power rating suitable for the extra consumption. Please refer to the "Phaseo power supply and transformer" catalog on our website www.schneider-electric.com.
(6) To order this reference, please contact our Customer Care Center.
(7) The user has to check for third party drive compliancy.

Configured Magelis BOX PC industrial PC

With the “configured PC” service, Schneider Electric offers a vast number of configuration combinations for Magelis PCs.

This service, available exclusively from our Customer Care Center, allows users to configure a certified product suitable for specific automation applications and environments, based on Universal and Performance Magelis BOX PCs.

Our Customer Care Center draws up:
- The complete parts list for the configured Magelis BOX PC
- Its selling price
- The complete reference (root + code which varies according to the configuration)
- A purchase order

Ordering procedure for a configured Magelis BOX PC

1 Please contact our Customer Care Center.
2 State the reference root **HMIPCCB1** corresponding to a request for a configured Magelis BOX PC. It will be completed with the variable part of the reference, once configuration is complete.
3 Configure your Magelis BOX PC (see table below).
4 Confirm your order.

References

Description		Reference	Weight kg/*lb*
Configured Magelis BOX PC *(1)*	Reference root to be stated to our Customer Care Center. The configuration should be made up from the components below.	**HMIPCCB1** *(2)*	–

Description	Available on Magelis BOX PC base		Reference	Weight kg/*lb*
	Universal	**Performance**		
	Processor Intel® ATOM™ N270 (1.6 GHz) DDR2 RAM Supply voltage 24 V ⎓ supply voltage	**Intel® Core™ 2 Duo P8400 processor (2.26 GHz) DDR3 RAM 24 V ⎓ supply voltage**		
RAM	3 GB max. (DDR2)	8 GB max. (DDR3)	*(2)*	–
Peripheral storage devices	Compact Flash card 8 GB max. (SLC technology)			
	Up to 2 Flash disks SSD ≥ 60 GB			
	Up to 2 Hard disks enterprise 24/7 ≥ 500 GB			
Other peripheral device	DVD-RW drive			
PCI slot configuration	1 PCI or 1 PCI Express®			
	1 PCI + 1 PCI Express® or 2 PCI			
	2 PCI + 3 PCI Express® or 4 PCI + 1 PCI Express®			
Operating systems	Windows® Embedded Standard 2009			
	Windows® Embedded Standard 7 32-bit			
	Windows® XP PRO SP3			
	Windows® 7 Ultimate 32-bit			
	Windows® 7 Ultimate 64-bit			
Software	Vijeo Designer Run Time			
	Vijeo Citect			
Assembled options	RAID PCI card with 2 redundant Hard disks			
	Interface module for backup power supply required for the HMIYUPSKT11 backup power supply kit (see page 3/9)			
	Additional RS232C/RS422/RS485 serial link interface			
	Additional DVI interface (needs a configuration with 2 or 5 PCI/PCI Express® slots)			

(1) Please contact our Customer Care Center.
(2) The reference of configured Magelis BOX PC industrial PCs is made up of a root (HMIPCCB1) followed by a variable part generated during configuration.

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Industrial PCs
Magelis™ *i*PCs certified for automation
Equivalent product table

Old industrial PCs		Replaced by Magelis BOX PCs	
Description	**Reference**	**Description**	**References**
Magelis Smart BOX		**Magelis BOX PC (1 PCI slot)**	
Magelis Smart BOX 100…240 V ∿	**MPCSN01NAJ00T**	Universal Magelis BOX PC	**HMIBUCND1E01 + Phaseo power supply** *(1)*
Magelis Smart BOX 24 V ⎓	**MPCSN01NDJ00T**	Universal Magelis BOX PC	**HMIBUCND1E01**
Magelis Compact PC BOX (1 PCI slot)		**Magelis BOX PC (1 PCI slot)**	
Magelis Compact PC BOX 100…240 V ∿	**MPCKN02NAX00N**	Universal Magelis BOX PC	**HMIBUHND1P01 + Phaseo power supply** *(1)*
Magelis Flex PC BOX F (2 PCI slots)		**Magelis BOX PC (2 PCI slots)**	
Magelis Flex PC BOX (Celeron M) 100…240 V ∿	**MPCFN02NAX00N**	Universal Magelis BOX PC	**HMIBUHND2P01 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Celeron M) 24 V ⎓	**MPCFN02NDX00N**	Universal Magelis BOX PC	**HMIBUHND2P01**
Magelis Flex PC BOX (Core Duo) 100…240 V ∿	**MPCFN05NAX00N**	Performance Magelis BOX PC	**HMIBPHDD2701 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Core Duo) 24 V ⎓	**MPCFN05NDX00N**	Performance Magelis BOX PC	**HMIBPHDD2701**
Magelis Flex PC BOX (Core Duo) 100…240 V ∿	**MPCFN05MAX00N**	Performance Magelis BOX PC	**HMIBPFDD2701 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Core Duo) 100…240 V ∿ Vijeo Citect Full 500 I/O	**MPCFN05MAX00V**	Performance Magelis BOX PC Vijeo Citect Full 500 I/O	**HMIBPFDD27F1 + Phaseo power supply** *(1)*
Magelis Flex PC BOX H (4 PCI slots)		**Magelis BOX PC (5 PCI slots)**	
Magelis Flex PC BOX (Celeron M) 100…240 V ∿	**MPCHN02NAX00N**	Performance Magelis BOX PC	**HMIBPHDD5701**
Magelis Flex PC BOX (Core Duo) 100…240 V ∿	**MPCHN05NAX00N**	Performance Magelis BOX PC	**HMIBPHDD5701 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Core Duo) 100…240 V ∿ with backup battery	**MPCHN05NBX00N**	Configured Magelis BOX PC *(2)*	**HMIPCCB1B5CB26K10N + kit HMIYUPSKT11 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Core Duo) 24 V ⎓	**MPCHN05NDX00N**	Performance Magelis BOX PC	**HMIBPHDD5701**
Magelis Flex PC BOX (Core Duo) 100…240 V ∿	**MPCHN05MAX00N**	Performance Magelis BOX PC	**HMIBPFDD5701 + Phaseo power supply** *(1)*
Magelis Flex PC BOX (Core Duo) 100…240 V ∿ Vijeo Citect Full 500 I/O	**MPCHN05MAX00V**	Performance Magelis BOX PC Vijeo Citect Full 500 I/O	**HMIBPFDD57F1 + Phaseo power supply** *(1)*

(1) ***ABL8RPS24050*** *or* ***ABL4RSM24050*** *Phaseo power supply (see page 3/9).*
(2) See page 3/10.

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  - Access product references with adapted tools ..... *page 4/4*
  - Compare, select, and compile ..... *page 4/6*
  - Check the product status, design your equipment ..... *page 4/7*
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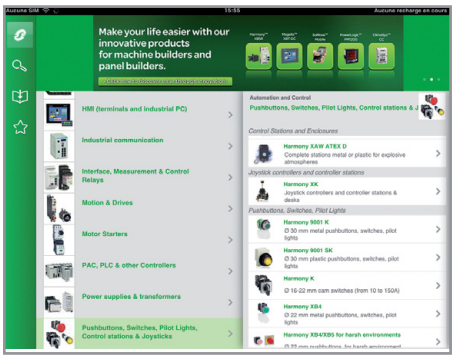
4

Search, vizualize, and download

Use your tablet or your PC to quickly access detailed and comprehensive information on our products

Tablets

Application name: “Automation Library by Schneider Electric”


Make your life easier with our innovative products for machine builders and panel builders.
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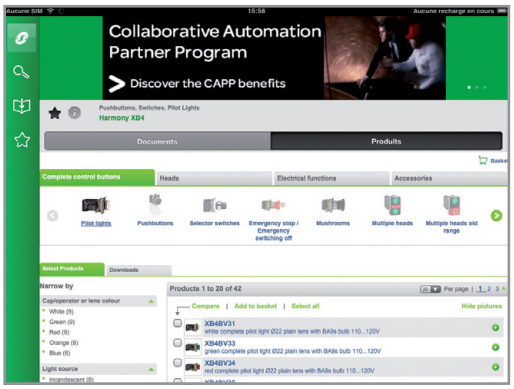
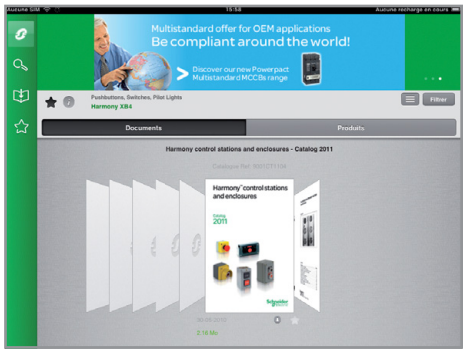
Product ranges
displayed by function



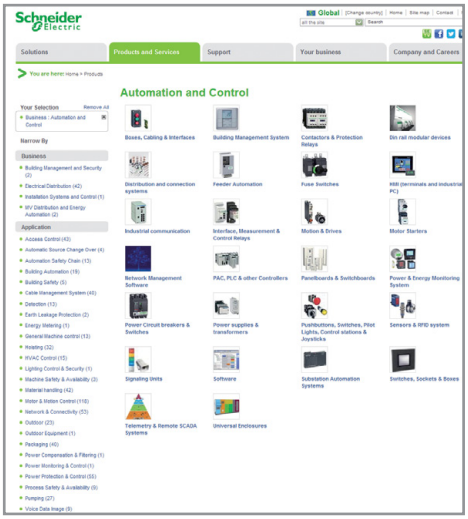

Multistandard offer for OEM applications
Be compliant around the world!
Harmony control stations and enclosures - Catalog 2011

Dynamic catalogs
(hyperlinks, video, ...)

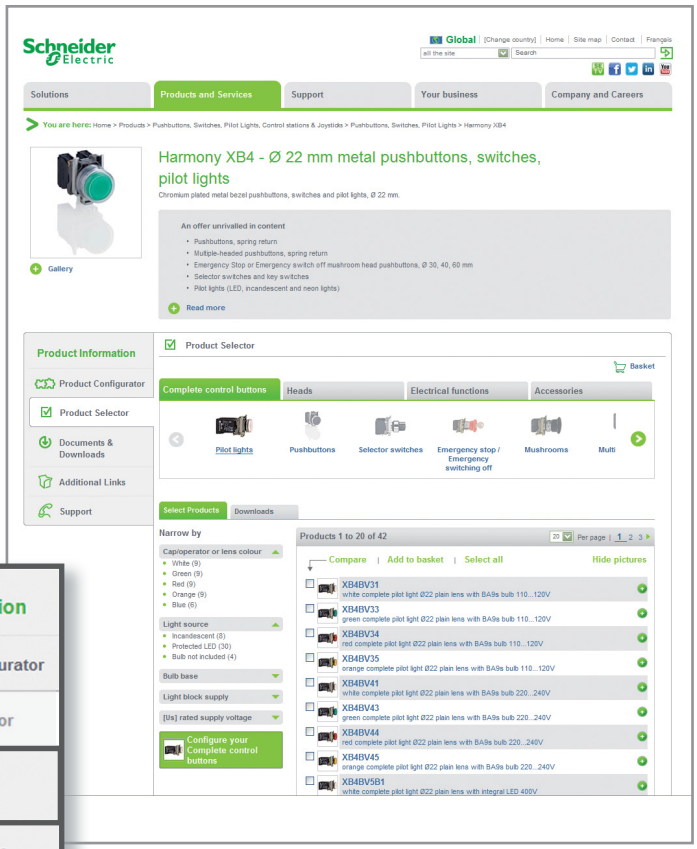
Product selector: dynamic filters to get easily your part number

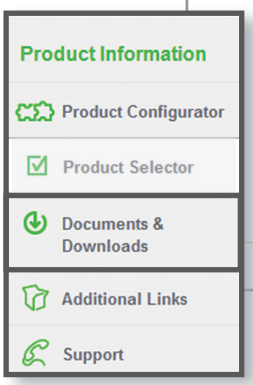
Personal computer

Path: www.schneider-electric.com > **Products and Services** > Automation and control > Product offer



Product ranges
displayed by function



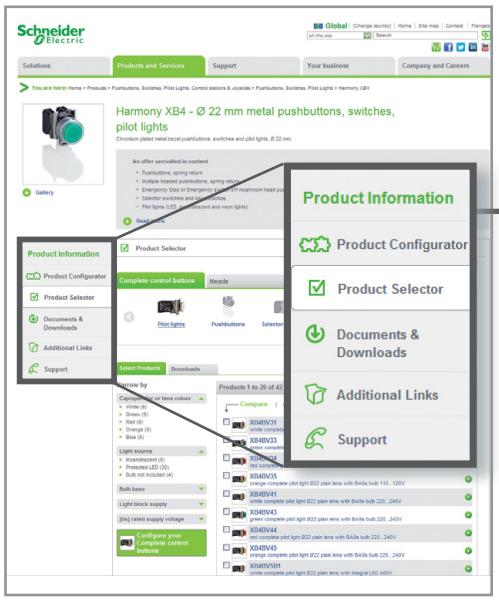


Dynamic catalogs
(hyperlinks, video, ...)

Product selector: dynamic filters to get easily your part number

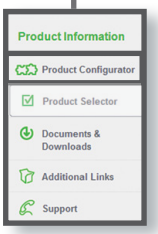
Access product references with adapted tools

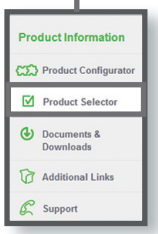
Path: www.schneider-electric.com > **Products and Services** > Automation and control > ... > Product offer

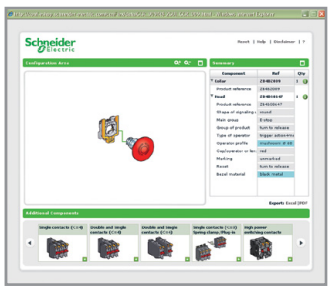


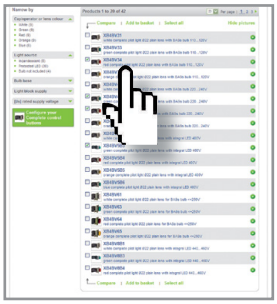
Graphic product configurator
Select the right product with just a few clicks

Dynamic product selector
Visualize product characteristics and dimensions

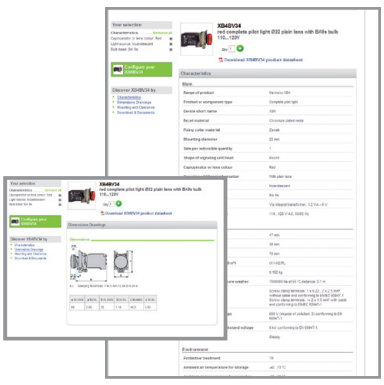








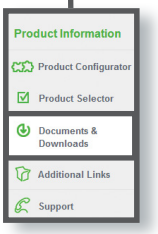
Product data sheet
with technical characteristics and dimensions

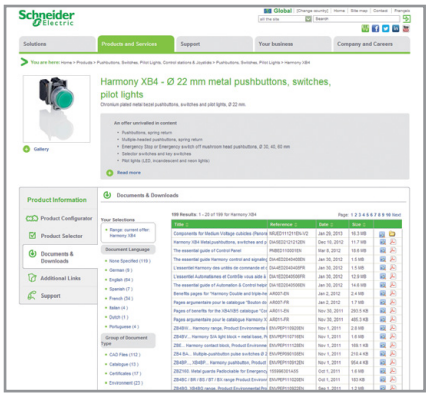


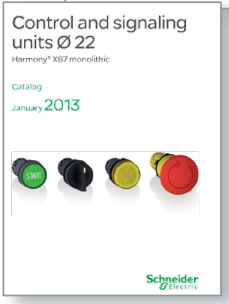
Dimensions

Technical characteristics

Documents and downloads
Visualize and download catalogues, technical publications, certificates, etc.







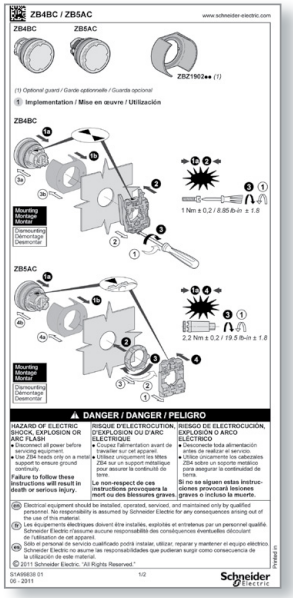
PDF Adobe

Essential guides

Dynamic catalogs

PDF Adobe

Certificates

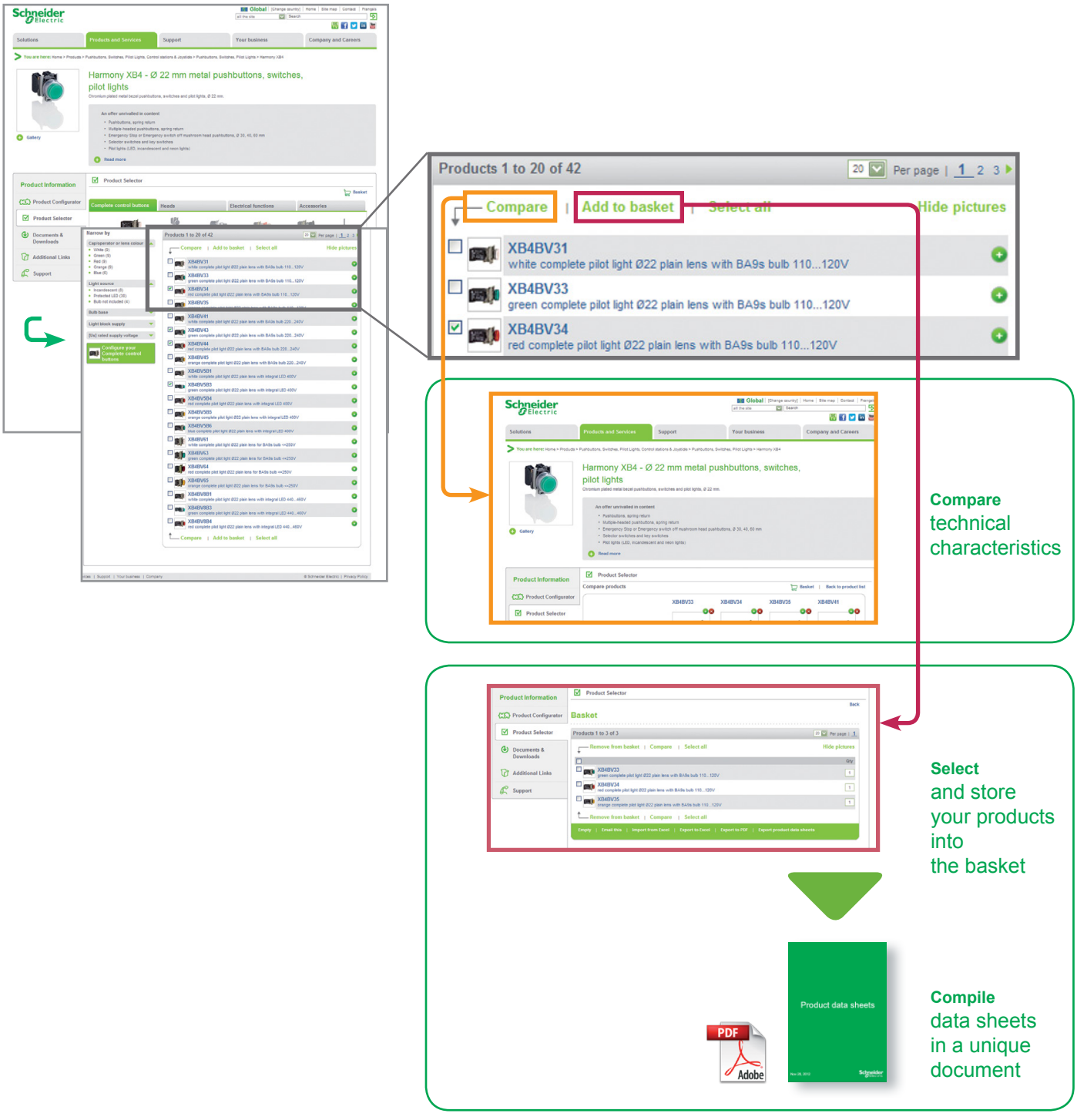


PDF Adobe

Technical publications

Compare, select, and compile

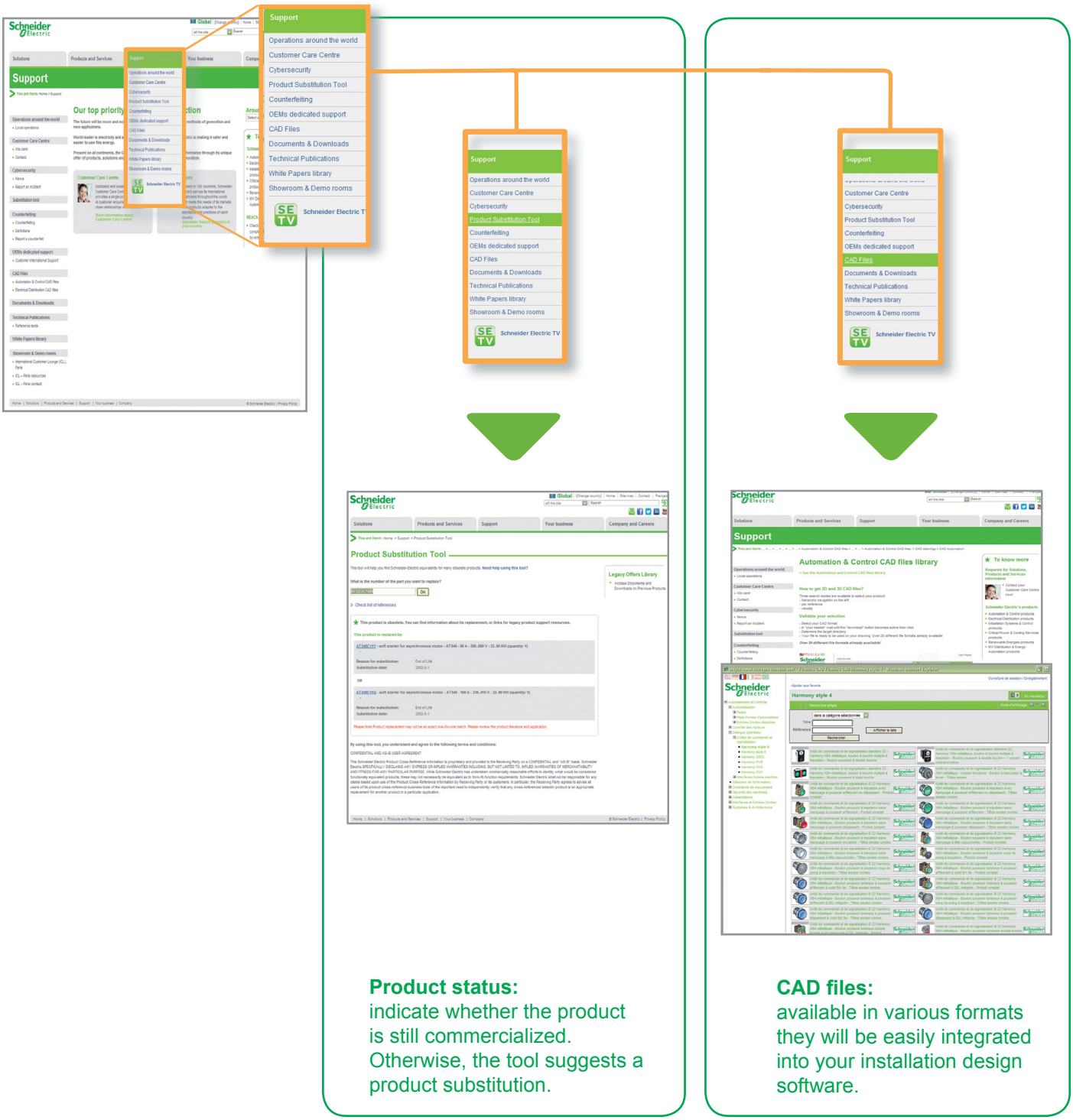
Path: www.schneider-electric.com > **Products and Services** > Automation and control > ... > Harmony XB4*


Products 1 to 20 of 42
Per page
Compare
Add to basket
Select all
Hide pictures
XB4BV31
white complete pilot light Ø22 plain lens with BA9s bulb 110...120V
XB4BV33
green complete pilot light Ø22 plain lens with BA9s bulb 110...120V
XB4BV34
red complete pilot light Ø22 plain lens with BA9s bulb 110...120V
Harmony XB4 - Ø 22 mm metal pushbuttons, switches, pilot lights
Compare technical characteristics
Basket
Select and store your products into the basket
Product data sheets
PDF
Compile data sheets in a unique document

* Example of research on a product

Check the product status, design your equipment

Path: www.schneider-electric.com > **Support** > Product Substitution Tool
Path: www.schneider-electric.com > **Support** > CAD files



Product status:
indicate whether the product is still commercialized. Otherwise, the tool suggests a product substitution.

CAD files:
available in various formats they will be easily integrated into your installation design software.

Please note that references to products and services are just examples.

Product reference index

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